

# Microsoft

## Exam Questions AI-102

Designing and Implementing an Azure AI Solution



### NEW QUESTION 1

- (Topic 3)

You need to enable speech capabilities for a chatbot.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable WebSockets for the chatbot app.
- B. Create a Speech service.
- C. Register a Direct Line Speech channel.
- D. Register a Cortana channel.
- E. Enable CORS for the chatbot app.
- F. Create a Language Understanding service.

**Answer:** ABC

#### Explanation:

You can use the Speech service to voice-enable a chat bot.

The Direct Line Speech channel uses the text-to-speech service, which has neural and standard voices.

You'll need to make a small configuration change so that your bot can communicate with the Direct Line Speech channel using web sockets.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk>

### NEW QUESTION 2

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input checked="" type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input checked="" type="radio"/>

### NEW QUESTION 3

- (Topic 3)

You have an Azure IoT hub that receives series data from machinery. You need to build an app that will perform the following actions:

- Perform anomaly detection across multiple correlated sensors
- Identify the root cause of process stops.
- Send incident alerts

The solution must minimize development time. Which Azure service should you use?

- A. Azure Metrics Advisor
- B. Form Recognizer
- C. Azure Machine teaming
- D. Anomaly Detector

**Answer:** D

### NEW QUESTION 4

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in

a file system as unstructured data.

a hierarchal folder structure.

a tabular form of rows and columns.

comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Relational data is stored in

a file system as unstructured data.  
a hierarchal folder structure.  
a tabular form of rows and columns.  
comma-separated value (CSV) files.

### NEW QUESTION 5

- (Topic 3)

You are building a chatbot.

You need to configure the bot to guide users through a product setup process. Which type of dialog should you use?

- A. component
- B. waterfall
- C. adaptive
- D. action

**Answer:** B

### NEW QUESTION 6

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a public endpoint, and you configure an IP firewall rule. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-link-overview>

### NEW QUESTION 7

HOTSPOT - (Topic 3)

You are building a chatbot.

You need to use the Content Moderator service to identify messages that contain sexually explicit language.

Which section in the response from the service will contain the category score, and which category will be assigned to the message? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Section: Classification  
Classification  
pii  
Terms

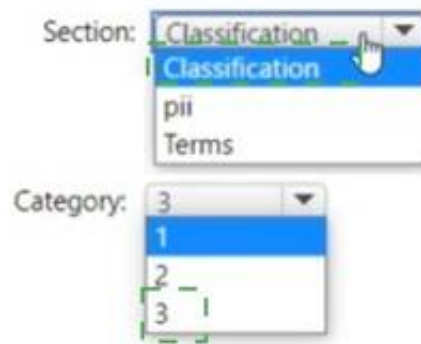
Category: 3  
1  
2  
3

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area



**NEW QUESTION 8**

- (Topic 3)

You are building a retail kiosk system that will use a custom neural voice. You acquire audio samples and consent from the voice talent. You need to create a voice talent profile.

What should you upload to the profile?

- A. a five-minute wav or mp3 file of the voce talent describing the kiosk system
- B. a five-minute .flac audio file and the associated transcript as a w file
- C. a .wav or mp3 file of the voice talent consenting to the creation of a synthetic version of their voice
- D. a .zip file that contains 10-second .wav files and the associated transcripts as .txt files

**Answer: D**

**NEW QUESTION 9**

- (Topic 3)

You need to recommend a non-relational data store that is optimized for storing and retrieving text files, videos, audio streams, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file. Which type of data store should you recommend?

- A. columnar
- B. key/value
- C. document
- D. object

**Answer: D**

**NEW QUESTION 10**

- (Topic 3)

You use the Microsoft Bot Framework Composer to build a chatbot that enables users to purchase items.

You need to ensure that the users can cancel in-progress transactions. The solution must minimize development effort.

What should you add to the bot?

- A. a language generator
- B. a custom event
- C. a dialog trigger
- D. a conversation activity

**Answer: D**

**NEW QUESTION 10**

- (Topic 3)

You have an Azure subscription. The subscription contains an Azure OpenAI resource that hosts a GPT-3.5 Turbo model named Model1.

You configure Model1 to use the following system message: "You are an AI assistant that helps people solve mathematical puzzles. Explain your answers as if the request is by a 4- year-old."

Which type of prompt engineering technique is this an example of?

- A. few-shot learning
- B. affordance
- C. chain of thought
- D. priming

**Answer: D**

**NEW QUESTION 11**

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area



is responsible for creating visuals and charts that help a company make informed decisions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A data analyst

A data engineer

A data scientist

A database administrator

is responsible for creating visuals and charts that help a company make informed decisions.

NEW QUESTION 13

HOTSPOT - (Topic 3)

You have an Azure Cognitive Search resource named Search 1 that is used by multiple apps You need to secure Search 1. The solution must meet the following requirements:

- Prevent access to Search1 from the internet.
- Limit the access of each app to specific queries

What should you do? To answer, select the appropriate options in the answer area NOTE Each correct answer is worth one point.

Answer Area

To prevent access from the internet:

Create a private endpoint.

Configure an IP firewall.

Create a private endpoint.

Use Azure roles.

To limit access to queries:

Use Azure roles.

Create a private endpoint.

Use Azure roles.

Use key authentication.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To prevent access from the internet:

Create a private endpoint.

Configure an IP firewall.

Create a private endpoint.

Use Azure roles.

To limit access to queries:

Use Azure roles.

Create a private endpoint.

Use Azure roles.

Use key authentication.

NEW QUESTION 14

- (Topic 3)

You are building a chatbot for a travel agent. The chatbot will use the Azure OpenAI GPT 3.5 model and will be used to make travel reservations. You need to maximize the accuracy of the responses from the chatbot. What should you do?

- A. Configure the model to include data from the travel agent's database.
- B. Set the Top P parameter for the model to 0.
- C. Set the Temperature parameter for the model to 0.
- D. Modify the system message used by the model to specify that the answers must be accurate.

Answer: A

NEW QUESTION 18

HOTSPOT - (Topic 3)

You are building a call handling system that will receive calls from French-speaking and German-speaking callers. The system must perform the following tasks;

- Capture inbound voice messages as text.
- Replay messages in English on demand.

Which Azure Cognitive Services should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

.....

To capture messages:

Speaker Recognition  
 Speech-to-text  
 Text-to-speech  
 Translator

To replay messages:

Speech-to-text only  
 Speech-to-text and Language  
 Speaker Recognition and Language  
 Text-to-speech and Language  
 Text-to-speech and Translator

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

.....

To capture messages:

Speaker Recognition  
 Speech-to-text  
 Text-to-speech  
 Translator

To replay messages:

Speech-to-text only  
 Speech-to-text and Language  
 Speaker Recognition and Language  
 Text-to-speech and Language  
 Text-to-speech and Translator

#### NEW QUESTION 21

- (Topic 3)

You are designing a conversational interface for an app that will be used to make vacation requests. The interface must gather the following data:

- The start date of a vacation
- The end date of a vacation
- The amount of required paid time off

The solution must minimize dialog complexity. Which type of dialog should you use?

- A. Skill  
 B. waterfall  
 C. adaptive  
 D. component

**Answer:** D

#### NEW QUESTION 22

- (Topic 3)

Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance. Which Azure service should you use?

- A. SQL Server on Azure Virtual Machines  
 B. Azure SQL Database  
 C. Azure HDInsight  
 D. Azure Cosmos DB

**Answer:** B

#### NEW QUESTION 27

- (Topic 3)

What should you use to automatically delete blobs from Azure Blob Storage?

- A. the change feed  
 B. a lifecycle management policy  
 C. soft delete  
 D. archive storage

**Answer:** D

#### NEW QUESTION 32

DRAG DROP - (Topic 3)

You have an app that manages feedback.

You need to ensure that the app can detect negative comments by using the Sentiment Analysis API in Azure Cognitive Service for Language. The solution must



ensure that the managed feedback remains on your company's internal network.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct You will receive credit for any of the correct orders you select.

Actions	Answer Area
Provision the Language service resource in Azure.	<div>&gt;</div> <div>&lt;</div> <div>⬆</div> <div>⬇</div>
Deploy a Docker container to an Azure container instance.	
Deploy a Docker container to an on-premises server.	
Identify the Language service endpoint URL and query the prediction endpoint.	
Run the container and query the prediction endpoint.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

? Provision the Language service resource in Azure.

? Deploy a Docker container to an on-premises server.

? Run the container and query the prediction endpoint.

? According to the Microsoft documentation, the Language service is a cloud-based service that provides various natural language processing features, such as sentiment analysis, key phrase extraction, named entity recognition, etc. You can provision the Language service resource in Azure by following the steps in Create a Language resource. You will need to provide a name, a subscription, a resource group, a region, and a pricing tier for your resource. You will also get a key and an endpoint for your resource, which you will use to authenticate your requests to the Language service API.

? According to the Microsoft documentation, you can also use the Language service as a container on your own premises or in another cloud. This option gives you more control over your data and network, and allows you to use the Language service without an internet connection. You can deploy a Docker container to an on-premises server by following the steps in Deploy Language containers. You will need to have Docker installed on your server, pull the container image from the Microsoft Container Registry, and run the container with the appropriate parameters. You will also need to activate your container with your key and endpoint from your Azure resource.

? According to the Microsoft documentation, once you have deployed and activated your container, you can run it and query the prediction endpoint to get sentiment analysis results. The prediction endpoint is a local URL that follows this format: `http://<container IP address>:<port>/text/analytics/v3.1-preview.4/sentiment`. You can send HTTP POST requests to this endpoint with your text input in JSON format, and receive JSON responses with sentiment labels and scores for each document and sentence in your input.

**NEW QUESTION 33**

- (Topic 3)

You are developing an app that will use the Decision and Language APIs.

You need to provision resources for the app. The solution must ensure that each service is accessed by using a single endpoint and credential.

Which type of resource should you create?

- A. Language
- B. Speech
- C. Azure Cognitive Services
- D. Content Moderator

**Answer:** C

**NEW QUESTION 38**

- (Topic 3)

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- A. Access control (IAM)
- B. Properties
- C. Keys and Endpoint
- D. Identity

**Answer:** C

**Explanation:**

Obtain values to connect your bot to the knowledge base 1.In the QnA Maker site, select your knowledge base. 2. With your knowledge base open, select the SETTINGS tab. Record the value shown for service name. This value is useful for finding your knowledge base of interest when using the QnA Maker portal interface. It's not used to connect your bot app to this knowledge base.3. Scroll down to find Deployment details and record the following values from the Postman sample HTTP request:4. POST /knowledgebases/<knowledge-base-id>/generateAnswer 5.Host: <your-host-url>6.Authorization: EndpointKey <your-endpoint-key>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-qna>

**NEW QUESTION 41**

HOTSPOT - (Topic 3)

You are building a bot and that will use Language Understanding. You have a LUDown file that contains the following content.

```
## Confirm
- confirm
- ok
- yes

## ExtractName
- call me steve !
- i am anna
- (i'm|i am) {@PersonName.Any}[.]
- my name is {@PersonName.Any}[.]

## Logout
- forget me
- log out

## SelectItem
- choose last
- choose the {@DirectionalReference=bottom left}
- choose {@DirectionalReference=top right}
- i like {@DirectionalReference=left} one

## SelectNone
- none

@ ml DirectionalReference
@ prebuilt personName
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

#### NEW QUESTION 46

- (Topic 3)

You have an Azure subscription that contains an Anomaly Detector resource. You deploy a Docker host server named Server 1 to the on-premises network. You need to host an instance of the Anomaly Detector service on Server 1. Which parameter should you include in the docker run command?



- A. Fluentd
- B. Billing
- C. Http Proxy
- D. Mounts

Answer: B

NEW QUESTION 51

HOTSPOT - (Topic 3)

You are developing a text processing solution. You have the function shown below.

```
static void GetKeywords(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.RecognizeEntities (text);
    Console.WriteLine("Key words:");

    foreach (CategorizedEntity entity in response.Value)
    {
        Console.WriteLine($"{entity.Text}");
    }
}
```

For the second argument, you call the function and specify the following string. Our tour of Paris included a visit to the Eiffel Tower.  
For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input checked="" type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input checked="" type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 54

- (Topic 3)

You are building an AI solution that will use Sentiment Analysis results from surveys to calculate bonuses for customer service staff. You need to ensure that the solution meets the Microsoft responsible AI principles. What should you do?

- A. Add a human review and approval step before making decisions that affect the staffs financial situation
- B. Include the Sentiment Analysis results when surveys return a low confidence score.
- C. Use all the surveys, including surveys by customers who requested that their account be deleted and their data be removed.
- D. Publish the raw survey data to a central location and provide the staff with access to the location.

Answer: A

NEW QUESTION 58

HOTSPOT - (Topic 3)

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named get\_text\_to\_be\_translated. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

How should you complete the code? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

```
...
api_key = "FF956C68B83821838691A8D200A4C606"
text = get_text_to_be_translated()
headers = {
    'Content-Type': 'application/json',
    'Ocp-Apim-Subscription-Key': api_key
}
body = {
    'Text': text
}
conn = httplib.HTTPSConnection
conn.request("POST",
response = conn.getresponse()
    conn.request("POST",
        response = conn.getrespons
        response_data = response.r
    ...
```

["api.cognitive.microsofttranslator.com"]

["api-apc.cognitive.microsofttranslator.com"]

["api-nam.cognitive.microsofttranslator.com"]

"/translate?from=en"

"/translate?suggestedFrom=en"

"/translate?to=en"

"/detect?to=en"

"/detect?from=en"

str(body), headers)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
...
api_key = "FF956C68B83821838691A8D200A4C606"
text = get_text_to_be_translated()
headers = {
    'Content-Type': 'application/json',
    'Ocp-Apim-Subscription-Key': api_key
}
body = {
    'Text': text
}
conn = httplib.HTTPSConnection
conn.request("POST",
response = conn.getresponse()
    conn.request("POST",
        response = conn.getrespons
        response_data = response.r
    ...
```

["api.cognitive.microsofttranslator.com"]

["api-apc.cognitive.microsofttranslator.com"]

["api-nam.cognitive.microsofttranslator.com"]

"/translate?from=en"

"/translate?suggestedFrom=en"

"/translate?to=en"

"/detect?to=en"

"/detect?from=en"

str(body), headers)

NEW QUESTION 61

- (Topic 3)  
You have an Azure subscription that contains a Language service resource named ta1 and a virtual network named vnet1. You need to ensure that only resources in vnet1 can access ta1. What should you configure?

- A. a network security group (NSG) for vnet1
- B. Azure Firewall for vnet1
- C. the virtual network settings for ta 1
- D. a Language service container for ta1

Answer: C

NEW QUESTION 63

DRAG DROP - (Topic 3)  
You are developing an application that will recognize faults in components produced on a factory production line. The components are specific to your business. You need to use the Custom Vision API to help detect common faults. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area

Train the classifier model.

Upload and tag images.

Initialize the training dataset.

Train the object detection model.

Create a project.

⬅

➡

⬆

⬇

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Create a project Create a new project.  
Step 2: Upload and tag the images  
Choose training images. Then upload and tag the images.  
Step 3: Train the classifier model. Train the classifier

NEW QUESTION 64

- (Topic 3)  
You deploy a web app that is used as a management portal for indexing in Azure Cognitive Search. The app is configured to use the primary admin key. During a security review, you discover unauthorized changes to the search index. You suspect that the primary access key is compromised. You need to prevent unauthorized access to the index management endpoint. The solution must minimize downtime. What should you do next?

- A. Regenerate the primary admin key, change the app to use the secondary admin key, and then regenerate the secondary admin key.
- B. Change the app to use a query key, and then regenerate the primary admin key and the secondary admin key.
- C. Regenerate the secondary admin key, change the app to use the secondary admin key, and then regenerate the primary key.
- D. Add a new query key, change the app to use the new query key, and then delete all the unused query keys.

Answer: C

NEW QUESTION 67

- (Topic 3)  
You are building an app that will include one million scanned magazine articles. Each article will be stored as an image file. You need to configure the app to extract text from the images. The solution must minimize development effort. What should you include in the solution?

- A. Computer Vision Image Analysis
- B. the Read API in Computer Vision
- C. Form Recognizer
- D. Azure Cognitive Service for Language

Answer: B

NEW QUESTION 70

HOTSPOT - (Topic 3)  
You are developing a text processing solution. You have the function shown below.

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input checked="" type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input checked="" type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 74

- (Topic 3)  
You have a 20-GB file named file1, avi that is stored on a local drive. You need to index file1, avi by using the Azure Video indexer website. What should you do first?

- A. Upload File1 avi to an Azure storage queue.
- B. upload File1.avi to the www.youtube.com seepage
- C. Upload file1 avi to the Azure video indexer website.
- D. Upload file1 avi to Microsoft OneDrive.

Answer: D

**Explanation:**

This is because the Azure Video Indexer website allows you to upload videos from a URL or from your file system, but there are some limitations and considerations for each option1.

If you upload from your file system, the size of the file is limited to 2 GB, which is less than the size of file1.avi (20 GB). Therefore, this option is not feasible.

If you upload from a URL, the size of the file is limited to 30 GB, which is enough for file1.avi. However, the URL must be publicly accessible and valid, and the file must be accessible. You cannot use URLs from streaming services such as YouTube1. Therefore, options A and B are not valid.

The best option is to upload file1.avi to a cloud storage service such as Microsoft OneDrive, and then generate a shareable link for the file. You can then paste the link in the

Azure Video Indexer website and upload the video from the URL. This way, you can avoid the file size limitation and ensure that the file is accessible and valid2.

**NEW QUESTION 78**

HOTSPOT - (Topic 3)

You have an Azure subscription that has the following configurations:

- Subscription ID: 8d3591aa-96b8-4737-ad09-00f9b1ed35ad
- Tenant ID: 3edfe572-cb54-3ced-ae12-c5c177f39a12

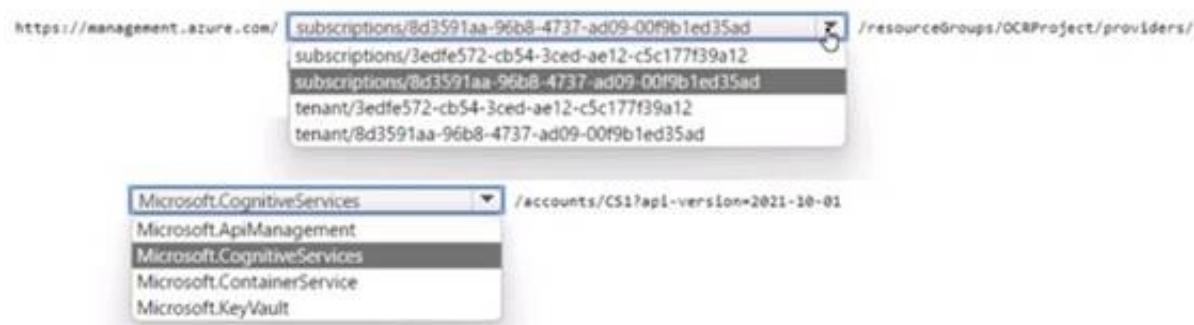
You plan to create a resource that will perform sentiment analysis and optical character recognition (OCR).

You need to use an HTTP request to create the resource in the subscription. The solution must use a single key and endpoint.

How should you complete the request? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

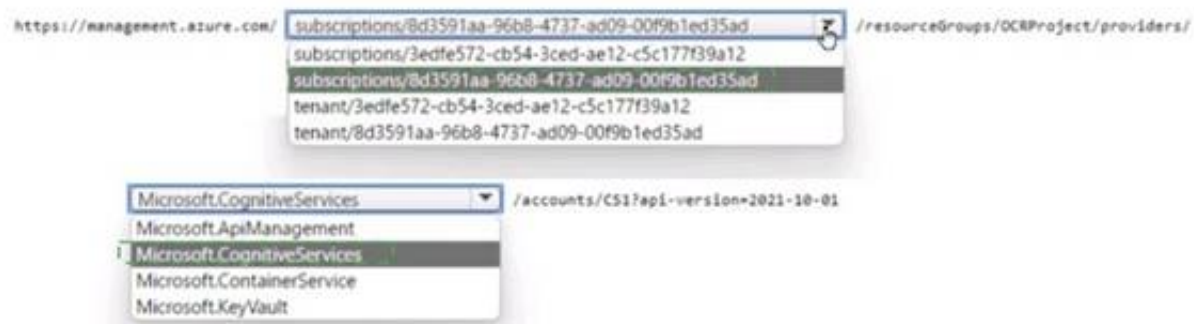


- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area



**NEW QUESTION 79**

- (Topic 3)

You are building a Language Understanding model for an e-commerce platform. You need to construct an entity to capture billing addresses.

Which entity type should you use for the billing address?

- A. machine learned
- B. Regex
- C. geographyV2
- D. Pattern.any
- E. list

**Answer: A**

**Explanation:**

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, Address could have the following structure:

Address: 4567 Main Street, NY, 98052, USA Building Number: 4567

Street Name: Main Street State: NY

Zip Code: 98052 Country: USA

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

**NEW QUESTION 80**

- (Topic 3)

You manage an application that stores data in a shared folder on a Windows server. You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

- A. table
- B. queue
- C. file



D. blob

**Answer:** C

**NEW QUESTION 84**

- (Topic 3)

What should you use to build a Microsoft Power Bi paginated report?

- A. Power BI Report Builder
- B. Charciculator
- C. Power BI Desktop
- D. the Power BI service

**Answer:** A

**NEW QUESTION 85**

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language Users report that the responses of the chatbot lark formality when answering spurious questions

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you change the chitchat source to qna\_chitchit\_friindly.tsv. and then retrain and republish the model. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 88**

- (Topic 3)

You use the Custom Vision service to build a classifier.

After training is complete, you need to evaluate the classifier.

Which two metrics are available for review? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. recall
- B. F-score
- C. weighted accuracy
- D. precision
- E. area under the curve (AUC)

**Answer:** AD

**Explanation:**

Custom Vision provides three metrics regarding the performance of your model: precision, recall, and AP.

Reference:

<https://www.tallan.com/blog/2020/05/19/azure-custom-vision/>

**NEW QUESTION 89**

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input checked="" type="radio"/>
Normalizing a database reduces data redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input checked="" type="radio"/>	<input type="radio"/>



#### NEW QUESTION 90

- (Topic 3)

You create a bot by using the Microsoft Bot Framework SDK.

You need to configure the bot to respond to events by using custom text responses. What should you use?

- A. an adaptive card
- B. an activity handler
- C. a dialog
- D. a skill

**Answer:** B

#### NEW QUESTION 95

- (Topic 3)

You have receipts that are accessible from a URL.

You need to extract data from the receipts by using Form Recognizer and the SDK. The solution must use a prebuilt model.

Which client and method should you use?

- A. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- B. the FormTrainingClient client and the StartRecognizeContentFromUri method
- C. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- D. the FormTrainingClient client and the StartRecognizeReceiptsFromUri method

**Answer:** D

#### Explanation:

To analyze receipts from a URL, use the StartRecognizeReceiptsFromUri method. Example code:

```
private static async Task AnalyzeReceipt( FormRecognizerClient recognizerClient, string receiptUri)
```

```
{
```

```
    RecognizedFormCollection receipts = await recognizerClient.StartRecognizeReceiptsFromUri(new Uri(receiptUri)).WaitForCompletionAsync();
```

```
Reference:
```

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/quickstarts/client-library>

#### NEW QUESTION 100

HOTSPOT - (Topic 3)

You are reviewing the design of a chatbot. The chatbot includes a language generation file that contains the following fragment.

```
# Greet(user)
```

```
- ${Greeting()}, ${user.name}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
<code>\${user.name}</code> retrieves the user name by using a prompt.	<input type="radio"/>	<input type="radio"/>
<code>Greet ()</code> is the name of the language generation template.	<input type="radio"/>	<input type="radio"/>
<code>\${Greeting () }</code> is a reference to a template in the language generation file.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: No

Example: Greet a user whose name is stored in `user.name`

```
- ${welcomeUser(user.name) }
```

Example: Greet a user whose name you don't know:

```
- ${welcomeUser() }
```

Box 2: No

Greet(User) is a Send a response action. Box 3: Yes

#### NEW QUESTION 103

- (Topic 3)

You are building a Conversational Language Understanding model.

You need to ensure that the model will support the following sample utterances:

- Set all the lights to on.
- Turn off the lights in the living room.
- What is the current thermostat temperature?
- Lower the temperature of the thermostat by five degrees. Which three elements should you add to the model?

Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. a location Intent

B. a change setting entity

- C. a device intent
- D. a change setting intent
- E. a query setting intent
- F. a device entity

Answer: BCF

NEW QUESTION 104

HOTSPOT - (Topic 3)

You develop a test method to verify the results retrieved from a call to the Computer Vision API. The call is used to analyze the existence of company logos in images. The call returns a collection of brands named brands.

You have the following code segment.

```
foreach (var brand in brands)
{
    if (brand.Confidence >= .75)
        Console.WriteLine($"Logo of {brand.Name} between {brand.Rectangle.X},
{brand.Rectangle.Y} and {brand.Rectangle.W}, {brand.Rectangle.H}");
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.  
NOTE: Each correct selection is worth one point.

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input checked="" type="radio"/>	<input type="radio"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input checked="" type="radio"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 107

- (Topic 3)

You are building a flight booking bot by using the Microsoft Bot Framework SDK.

The bot will ask users for their departure date. The bot must repeat the question until a valid date is given, or the users cancel the transaction.

Which type of dialog should you use?

- A. prompt
- B. action
- C. waterfall
- D. adaptive

Answer: A

NEW QUESTION 108

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a public endpoint to a new virtual network, and you configure Azure Private Link.  
Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/cognitive-services-virtual-networks?tabs=portal#use-private-endpoints>

**NEW QUESTION 112**

- (Topic 3)

You are building a bot on a local computer by using the Microsoft Bot Framework. The bot will use an existing Language Understanding model. You need to translate the Language Understanding model locally by using the Bot Framework CLI. What should you do first?

- A. From the Language Understanding portal, clone the model.
- B. Export the model as an .lu file.
- C. Create a new Speech service.
- D. Create a new Language Understanding service.

**Answer:** B

**Explanation:**

You might want to manage the translation and localization for the language understanding content for your bot independently.

Translate command in the @microsoft/bf-lu library takes advantage of the Microsoft text translation API to automatically machine translate .lu files to one or more than 60+ languages supported by the Microsoft text translation cognitive service.

What is translated?

An .lu file and optionally translate Comments in the lu file LU reference link texts

List of .lu files under a specific path.

Reference:

<https://github.com/microsoft/botframework-cli/blob/main/packages/luis/docs/translate-command.md>

**NEW QUESTION 116**

- (Topic 3)

You are training a Language Understanding model for a user support system.

You create the first intent named GetContactDetails and add 200 examples. You need to decrease the likelihood of a false positive.

What should you do?

- A. Enable active learning.
- B. Add a machine learned entity.
- C. Add additional examples to the GetContactDetails intent.
- D. Add examples to the None intent.

**Answer:** A

**Explanation:**

Active learning is a technique of machine learning in which the machine learned model is used to identify informative new examples to label. In LUIS, active learning refers to adding utterances from the endpoint traffic whose current predictions are unclear to improve your model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-glossary>

**NEW QUESTION 118**

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated

goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a private endpoint to vnet1. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.

The service could be an Azure service such as:

? Azure Storage

? Azure Cosmos DB

? Azure SQL Database

? Your own service using a Private Link Service.

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-overview>

### NEW QUESTION 123

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language Users report that the responses of the chatbot lack formality when answering spurious questions

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you change the chitchat source to qna\_chitchat\_professional.tsv. and then retrain and republish the model. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

### NEW QUESTION 127

DRAG DROP - (Topic 3)

You are developing a call to the Face API. The call must find similar faces from an existing list named employeefaces. The employeefaces list contains 60,000 images.

How should you complete the body of the HTTP request? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
"faceListId"	{
"LargeFaceListId"	"faceId": "18c51a87-3a69-47a8-aedc-a54745f708a1",
"matchFace"	<input type="text"/> : "employeefaces",
"matchPerson"	"maxNumOfCandidatesReturned": 1,
	"mode": <input type="text"/>
	}

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: LargeFaceListID

LargeFaceList: Add a face to a specified large face list, up to 1,000,000 faces.

Note: Given query face's faceId, to search the similar-looking faces from a faceId array, a face list or a large face list. A "faceListId" is created by FaceList - Create containing persistedFaceIds that will not expire. And a "largeFaceListId" is created by LargeFaceList - Create containing persistedFaceIds that will also not expire.

### NEW QUESTION 132

HOTSPOT - (Topic 3)

You are building a chatbot that will provide information to users as shown in the following exhibit.



Passengers

Sarah Hum  
Jeremy Goldberg  
Evan Litvak

2 Stops

Tue, May 30, 2017 10:25 PM



Non-Stop

Fri, Jun 2, 2017 11:55 PM



Total \$4,032.54

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

Answer Area

The chatbot is showing [answer choice].

▼

an Adaptive Card

a Hero Card

a Thumbnail Card

The card includes [answer choice].

▼

an action set

an image

an image group

media

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Adaptive card Box 2: an image

NEW QUESTION 136

DRAG DROP - (Topic 3)

You have 100 chatbots that each has its own Language Understanding model. Frequently, you must add the same phrases to each model. You need to programmatically update the Language Understanding models to include the new phrases. How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Values

AddPhraseListAsync

Phraselist

PhraselistCreateObject

Phrases

SavePhraselistAsync

UploadPhraseListAsync

Answer Area

```
var phraselistId = await client.Features.
(appId, versionId, new 
{
    EnabledForAllModels = false,
    IsExchangeable = true,
    Name = "PL1",
    Phrases = "item1,item2,item3,item4,item5"
});
```



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: AddPhraseListAsync Example: Add phraselist feature

```
var phraselistId = await client.Features.AddPhraseListAsync(appld, versionId, new
```

```
PhraselistCreateObject
```

```
{  
    EnabledForAllModels = false, IsExchangeable = true, Name = "QuantityPhraselist", Phrases = "few,more,extra"  
});
```

```
Box 2: PhraselistCreateObject
```

**NEW QUESTION 140**

- (Topic 3)

You are building a chatbot.

You need to configure the chatbot to query a knowledge base. Which dialog class should you use?

- A. AdaptiveDialog
- B. QnAMakerDialog
- C. ComponentDialog
- D. SkillDialog

**Answer:** B

**NEW QUESTION 142**

- (Topic 3)

You have the following C# method for creating Azure Cognitive Services resources programmatically.

```
static void create_resource(CognitiveServicesManagementClient client, string  
resource_name, string kind, string account_tier, string location)  
{  
    CognitiveServicesAccount parameters =  
        new CognitiveServicesAccount(null, null, kind, location, resource_name,  
new CognitiveServicesAccountProperties(), new Sku(account_tier));  
    var result = client.Accounts.Create(resource_group_name, account_tier,  
parameters);  
}
```

You need to call the method to create a free Azure resource in the West US Azure region. The resource will be used to generate captions of images automatically. Which code should you use?

- A. create\_resource(client, "res1", "ComputerVision", "F0", "westus")
- B. create\_resource(client, "res1", "CustomVision.Prediction", "F0", "westus")
- C. create\_resource(client, "res1", "ComputerVision", "S0", "westus")
- D. create\_resource(client, "res1", "CustomVision.Prediction", "S0", "westus")

**Answer:** B

**Explanation:**

<https://azure.microsoft.com/en-us/pricing/details/cognitive-services/computer-vision/>

**NEW QUESTION 146**

- (Topic 3)

You are building a solution that will detect anomalies in sensor data from the previous 24 hours.

You need to ensure that the solution scans the entire dataset, at the same time, for anomalies.

Which type of detection should you use?

- A. batch
- B. streaming
- C. change point

**Answer:** A

**Explanation:**

Batch anomaly detection is a type of anomaly detection that scans the entire dataset at once for outliers and unusual patterns. Batch anomaly detection is suitable for offline analysis of historical data, such as sensor data from the previous 24 hours. Batch anomaly detection can use various techniques, such as statistical methods, machine learning methods, or hybrid methods, to identify anomalies in the data123.

**NEW QUESTION 151**

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

You discover that some search query requests to the Cognitive Search service are being throttled.

You need to reduce the likelihood that search query requests are throttled. Solution: You add indexes.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead, you could migrate to a Cognitive Search service that uses a higher tier.  
Note: A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling). However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.  
Reference:  
<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

NEW QUESTION 154

DRAG DROP - (Topic 3)

You develop an app in O named App1 that performs speech-to-speech translation. You need to configure App1 to translate English to German.  
How should you complete the speechTransiationConf ig object? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Values

addTargetLanguage

speechSynthesisLanguage

speechRecognitionLanguage

voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH__SUBSCRIPTION__KEY, SPEECH__SERVICE__REGION);  
  
translationConfig. = "en-US";  
translationConfig. ("de");
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

addTargetLanguage

speechSynthesisLanguage

speechRecognitionLanguage

voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH__SUBSCRIPTION__KEY, SPEECH__SERVICE__REGION);  
  
translationConfig. speechRecognitionLanguage "en-US";  
translationConfig. addTargetLanguage ("de");
```

NEW QUESTION 158

DRAG DROP - (Topic 3)

You have a monitoring solution that uses the Azure AI Anomaly Detector service. You provision a server named Server! that has intermittent internet access.  
You need to deploy the Azure AI Anomaly Detector to Server 1.  
Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

From Server1, run the docker: push command.

Query the prediction endpoint of the Azure AI Anomaly Detector in Azure.

Install the Docker Engine on Server1.

From Server1, run the docker: pull command.

From Server1, run the docker: run command.

Query the prediction endpoint on Server1.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

From Server1, run the docker: push command.

Query the prediction endpoint of the Azure AI Anomaly Detector in Azure.

Install the Docker Engine on Server1.

From Server1, run the docker: pull command.

From Server1, run the docker: run command.

Query the prediction endpoint on Server1.

Answer Area

Install the Docker Engine on Server1.

From Server1, run the docker: pull command.

From Server1, run the docker: run command.

Query the prediction endpoint on Server1.

NEW QUESTION 163

- (Topic 3)

You are developing a new sales system that will process the video and text from a public- facing website.

You plan to monitor the sales system to ensure that it provides equitable results regardless of the user's location or background. Which two responsible AI principles provide guidance to meet the monitoring requirements? Each correct answer presents part of the solution. (Choose two.)  
NOTE: Each correct selection is worth one point.

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety
- E. privacy and security

**Answer:** BC

**Explanation:**

<https://docs.microsoft.com/en-us/learn/modules/get-started-ai-fundamentals/8-understand-responsible-ai>

#### NEW QUESTION 166

- (Topic 3)

You have an app that analyzes images by using the Computer Vision API.

You need to configure the app to provide an output for users who are vision impaired. The solution must provide the output in complete sentences.

Which API call should you perform?

- A. readInStreamAsync
- B. describeImageInStreamAsync
- C. toglfiageInStreaaAsync
- D. analyreImageByDomainInStreamAsync

**Answer:** D

#### NEW QUESTION 171

- (Topic 3)

You are building an app that will share user images.

You need to configure the app to perform the following actions when a user uploads an image:

- Categorize the image as either a photograph or a drawing.
- Generate a caption for the image.

The solution must minimize development effort.

Which two services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. object detection in Computer Vision
- B. content tags in Computer Vision
- C. image descriptions in Computer Vision
- D. image type detection in Computer Vison
- E. image classification in Custom Vision

**Answer:** CD

**Explanation:**

? According to the Microsoft documentation, Computer Vision is a cloud-based service that provides developers with access to advanced algorithms for processing images and returning information. By uploading an image or specifying an image URL, Computer Vision algorithms can analyze visual content in different ways based on inputs and user choices.

? According to the Microsoft documentation, image type detection is one of the features of Computer Vision that can categorize an image as either a photograph or a drawing. You can use the image type detection feature by calling the Analyze Image API with the visualFeatures parameter set to ImageType. The API will return a JSON response with an imageType field that indicates whether the image is a photo or a clipart.

? According to the Microsoft documentation, image descriptions is another feature of Computer Vision that can generate a caption for an image. You can use the image descriptions feature by calling the Analyze Image API with the visualFeatures parameter set to Description. The API will return a JSON response with a description field that contains a list of captions for the image, each with a confidence score.

? Therefore, by using these two features of Computer Vision, you can achieve your app requirements with minimal development effort. You don't need to use any other services, such as object detection, content tags, or Custom Vision, which are designed for different purposes.

#### NEW QUESTION 175

DRAG DROP - (Topic 3)

Match the types of workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may he used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Workload Types	Answer Area
Batch	Workload type Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Workload type Thousands of data sets per second for online purchases will be loaded into a data warehouse in real time.
	Workload type Updates to inventory data will be loaded to a data warehouse every 1 million transactions.

- A. Mastered
- B. Not Mastered

**Answer:** A



#### Explanation:

Workload Types	Answer Area
Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Thousands of data sets per second for online purchases will be loaded into a data warehouse in real time.
Batch	Updates to inventory data will be loaded to a data warehouse every 1 million transactions.

#### NEW QUESTION 177

DRAG DROP - (Topic 3)

You are building a Language Understanding model for purchasing tickets.

You have the following utterance for an intent named PurchaseAndSendTickets. Purchase [2 audit business] tickets to [Paris] [next Monday] and send tickets to [email@domain.com]

You need to select the entity types. The solution must use built-in entity types to minimize training data whenever possible.

Which entity type should you use for each label? To answer, drag the appropriate entity types to the correct labels. Each entity type may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

#### Entity Types

#### Answer Area

Email	
List	Paris:
Regex	email@domain.com:
GeographyV2	2 audit business:
Machine learned	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: GeographyV2

The prebuilt geographyV2 entity detects places. Because this entity is already trained, you do not need to add example utterances containing GeographyV2 to the application intents.

Box 2: Email

Email prebuilt entity for a LUIS app: Email extraction includes the entire email address from an utterance. Because this entity is already trained, you do not need to add example utterances containing email to the application intents.

Box 3: Machine learned

The machine-learning entity is the preferred entity for building LUIS applications.

#### NEW QUESTION 178

- (Topic 3)

You have an Azure subscription that contains an Azure App Service app named App1. You provision a multi-service Azure Cognitive Services resource named CSAccount1.

You need to configure App1 to access CSAccount1. The solution must minimize administrative effort.

What should you use to configure App1?

- A. a system-assigned managed identity and an X.509 certificate
- B. the endpoint URI and an OAuth token
- C. the endpoint URI and a shared access signature (SAS) token
- D. the endpoint URI and subscription key

**Answer:** D

#### NEW QUESTION 181

- (Topic 3)

You need to measure the public perception of your brand on social media messages. Which Azure Cognitive Services service should you use?

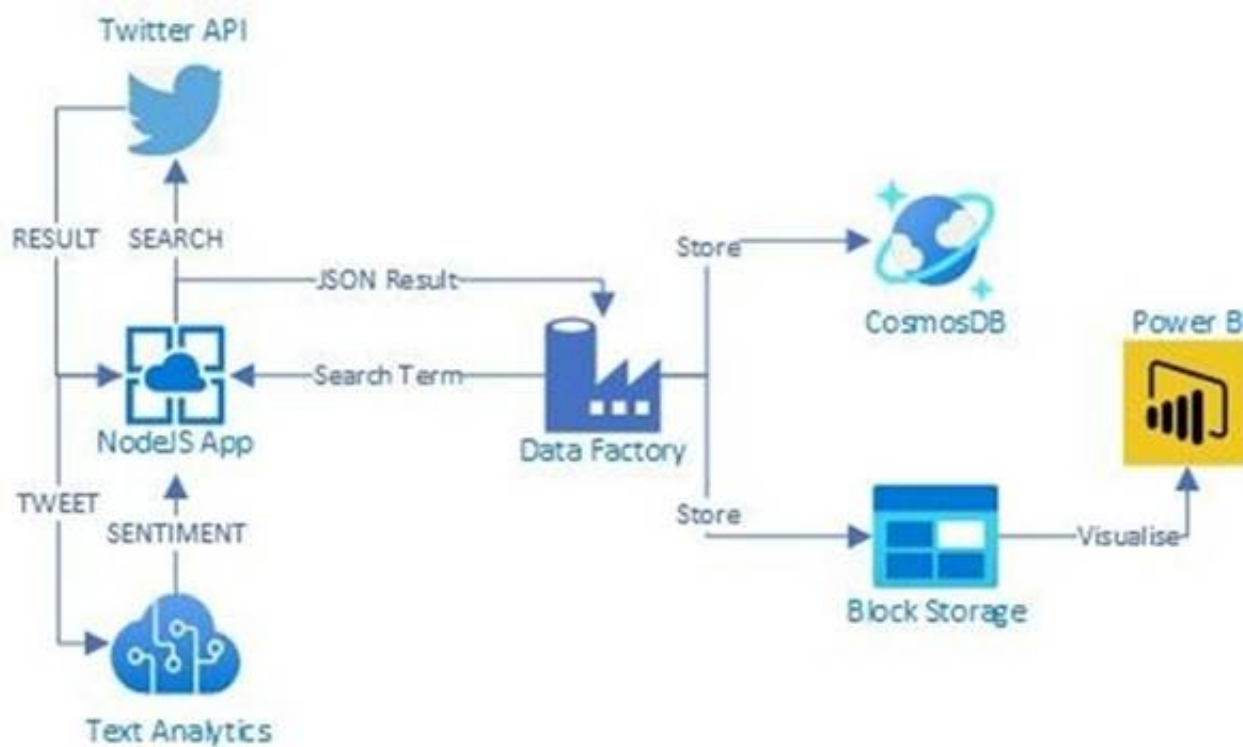
- A. Text Analytics
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

**Answer:** A

#### Explanation:

Text Analytics Cognitive Service could be used to quickly determine the public perception for a specific topic, event or brand.

Example: A NodeJS app which pulls Tweets from Twitter using the Twitter API based on a specified search term. Then pass these onto Text Analytics for sentiment scoring before storing the data and building a visualisation in PowerBI. The Architecture looked something like this:



Reference:

<https://www.linkedin.com/pulse/measuring-public-perception-azure-cognitive-services- steve-dalai>

### NEW QUESTION 183

DRAG DROP - (Topic 3)

You are building a customer support chatbot.

You need to configure the bot to identify the following:

- Code names for internal product development
- Messages that include credit card numbers The solution must minimize development effort.

Which Azure Cognitive Service for Language feature should you use for each requirement? To answer, drag the appropriate features to the correct requirements.

Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

Features	Answer Area
Custom named entity recognition (NER)	Identify code names for internal product development: <input type="text"/>
Key phrase extraction	Identify messages that include credit card numbers: <input type="text"/>
Language detection	
Named Entity Recognition (NER)	
Personally Identifiable Information (PII) detection	
Sentiment analysis	

- A. Mastered  
 B. Not Mastered

**Answer: A**

**Explanation:**

Features	Answer Area
Custom named entity recognition (NER)	Identify code names for internal product development: Custom named entity recognition (NER)
Key phrase extraction	Identify messages that include credit card numbers: Personally Identifiable Information (PII) detection
Language detection	
Named Entity Recognition (NER)	
Personally Identifiable Information (PII) detection	
Sentiment analysis	

### NEW QUESTION 186

- (Topic 3)

Which Azure Storage service implements the key/value model?

- A. Azure Files  
 B. Azure Blob  
 C. Azure Table  
 D. Azure Queue

**Answer: C**

### NEW QUESTION 189

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent



named FindContact.

A conversational expert provides you with the following list of phrases to use for training. Find contacts in London.

Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new entity for the domain.

Does this meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

**NEW QUESTION 192**

- (Topic 3)

You are building a bot by using Microsoft Bot Framework.

You need to configure the bot to respond to spoken requests. The solution must minimize development effort.

What should you do?

A. Deploy the bot to Azure and register the bot with a Direct Une Speech channel

B. Integrate the bot with Cortana by using the Bot Framework SDK.

C. Create an Azure function that will call the Speech service and connect the bot to the function.

D. Deploy the bot to Azure and register the bot with a Microsoft Teams channel.

**Answer: B**

**NEW QUESTION 194**

- (Topic 3)

You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to create a database object that would allow other users to rerun the same SOL query. What should you create?

A. an Index

B. a view

C. a scalar function

D. a table

**Answer: B**

**NEW QUESTION 199**

- (Topic 3)

You have the following C# method.

```
static void create_resource(string resource_name, string kind, string account_tier, string location)
{
    CognitiveServicesAccount parameters =
        new CognitiveServicesAccount(null, null, kind, location, resource_name, new CognitiveServicesAccountProperties(), new Sku(account_tier));
    var result = cog_svc_client.Accounts.Create(resource_group_name, account_tier, parameters);
}
```

You need to deploy an Azure resource to the East US Azure region. The resource will be used to perform sentiment analysis.

How should you call the method?

A. create\_resource("res1", "ContentModerator", "S0", "eastus")

B. create\_resource("res1", "TextAnalytics", "S0", "eastus")

C. create\_resource("res1", "ContentModerator", "Standard", "East US")

D. create\_resource("res1", "TextAnalytics", "Standard", "East US")

**Answer: B**

**Explanation:**

To perform sentiment analysis, we specify TextAnalytics, not ContentModerator. Possible SKU names include: 'F0','F1','S0','S1','S2','S3','S4','S5','S6','S7','S8'

Possible location names include: westus, eastus

Reference:

<https://docs.microsoft.com/en-us/powershell/module/az.cognitiveservices/new-azcognitiveservicesaccount>

**NEW QUESTION 202**

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the

elastic pool  
MySQL server  
PostgreSQL server  
virtual machine

that hosts SQL Server.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the \_\_\_\_\_ that hosts SQL Server.

elastic pool

MySQL server

PostgreSQL server

virtual machine

NEW QUESTION 207

- (Topic 3)  
What is the primary purpose of a data warehouse?

- A. to provide storage for transactional line-of-business (LOB) applications
- B. to provide transformation services between source and target data stores
- C. to provide read only storage of relational and non relational historical data
- D. to provide answers to complex queries that rely on data from multiple sources

Answer: C

NEW QUESTION 212

DRAG DROP - (Topic 3)  
You have a Custom Vision service project that performs object detection. The project uses the General domain for classification and contains a trained model. You need to export the model for use on a network that is disconnected from the internet. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list o' actions to the answer area and arrange them in the correct order.

Actions

Change Domains to General (compact).

Retrain the model.

Create a new classification model.

Change the classification type.

Export the model.

>

<

Answer Area

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Change Domains to General (compact).

Retrain the model.

Create a new classification model.

Change the classification type.

Export the model.

>

<

Answer Area

Create a new classification model.

Change the classification type.

Export the model.

>

<

NEW QUESTION 215

DRAG DROP - (Topic 3)  
You train a Custom Vision model to identify a company's products by using the Retail domain. You plan to deploy the model as part of an app for Android phones. You need to prepare the model for deployment. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Change the model domain.

Retrain the model.

Test the model.

Export the model.

Answer Area

<

>

>

<

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In user want to change to deploy offline model

- \* 1. Change model domain to compact model
- \* 2. Retrain compact model
- \* 3. Export model

NEW QUESTION 220

HOTSPOT - (Topic 3)

You are building an app that will share user images.

You need to configure the app to meet the following requirement's

- uploaded images must be scanned and any text must be extracted from the images.
- Extracted text must be analyzed for the presence of profane language.
- The solution must minimize development effort.

what should you use for each requirement? To answer, select the apocopate opinions in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Text extraction

Azure Cognitive Service for Language

Computer Vision

Content Moderator

Custom Vision

Form Recognizer

Profane language detection:

Azure Cognitive Service for Language

Computer Vision

Content Moderator

Custom Vision

Form Recognizer

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Extraction: b) Computer Vision

Computer Vision is a service that can analyze images and extract text from them using optical character recognition (OCR) or read API1. OCR can detect and extract printed or handwritten text from images in various languages and formats, such as PDF, TIFF, or JPEG2. Read API can perform asynchronous batch processing of text from multiple images, and can also handle text in tables, mixed languages, and rotated text3.

Profane Language Detection: c) Content Moderator

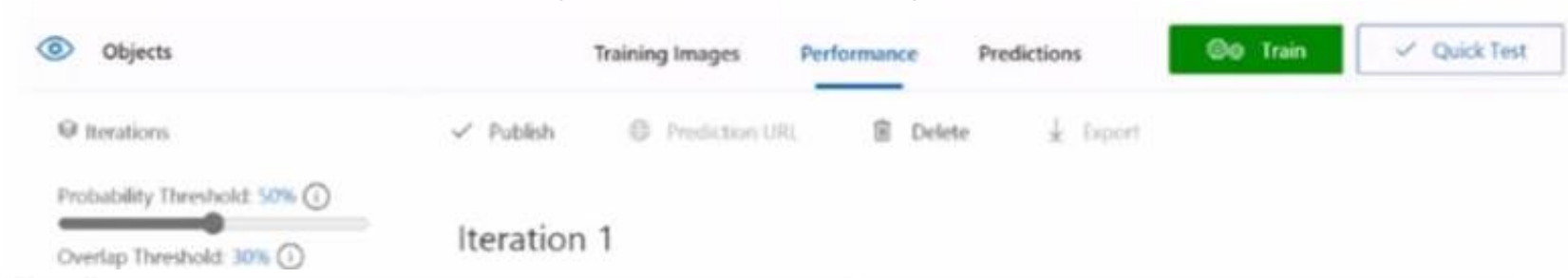
Content Moderator is a service that can detect and filter out potentially offensive or unwanted content in text, images, and videos. For text, Content Moderator can identify profane or abusive language, personal data, and custom terms that you define. You can also use Content Moderator to review and moderate the content manually or automatically using workflows.

NEW QUESTION 223

HOTSPOT - (Topic 3)

You are building a model to detect objects in images.

The performance of the model based on training data is shown in the following exhibit.



Answer Area

The percentage of false positives is [answer choice].

0

25

30

50

100

The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice]%.

0

25

30

50

100

- A. Mastered
- B. Not Mastered

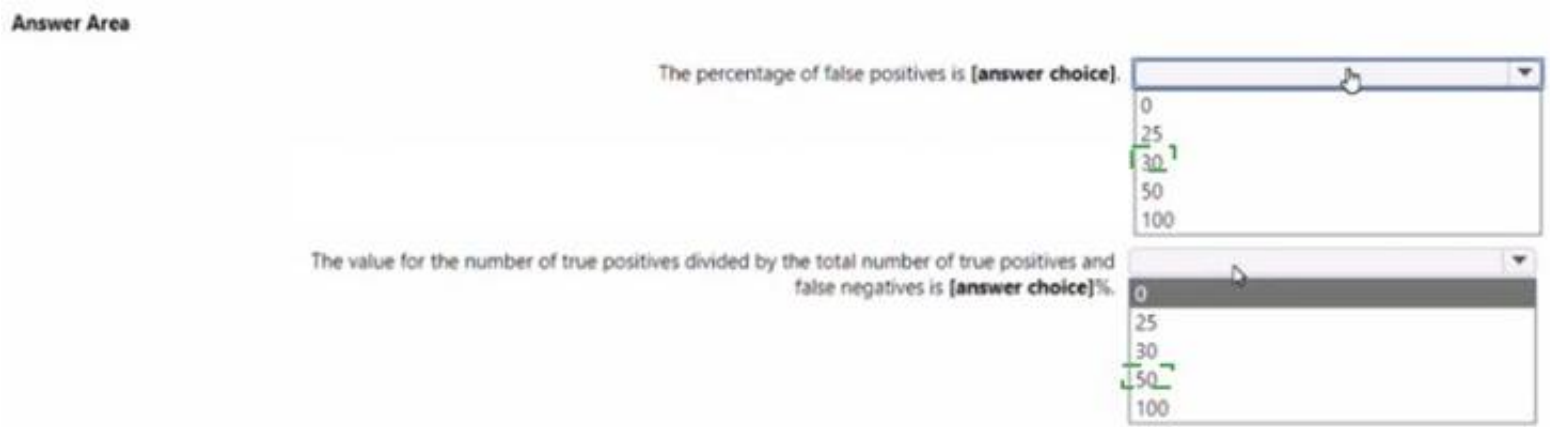
Answer: A

Explanation:

Answer Area

The percentage of false positives is [answer choice].

The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice] %.



NEW QUESTION 227

HOTSPOT - (Topic 3)

You have a library that contains thousands of images.  
You need to tag the images as photographs, drawings, or clipart.  
Which service endpoint and response property should you use? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

Service endpoint:

Property:



- A. Mastered
- B. Not Mastered

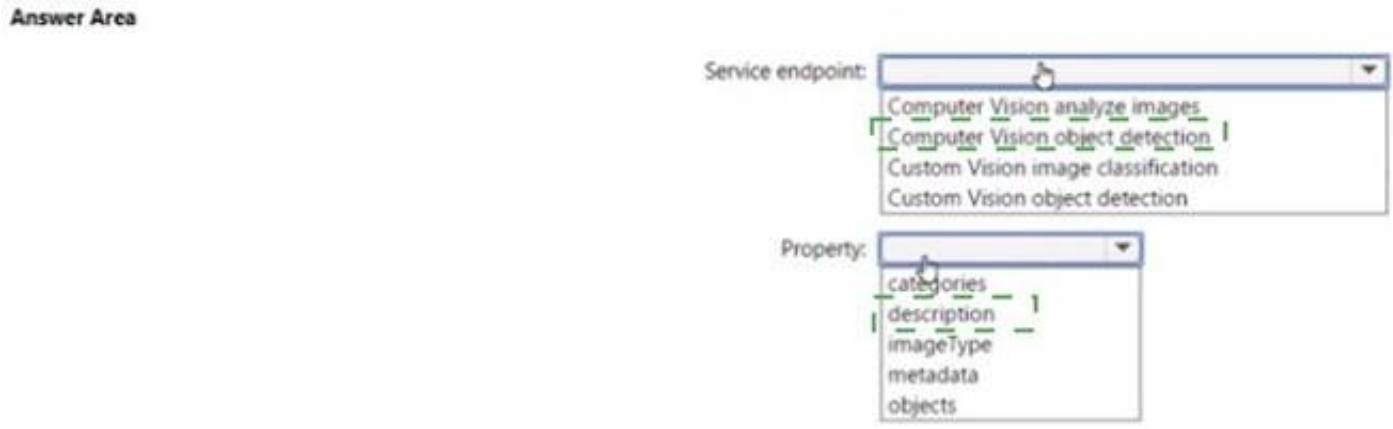
Answer: A

Explanation:

Answer Area

Service endpoint:

Property:



NEW QUESTION 230

DRAG DROP - (Topic 3)

You have a Language Understanding solution that runs in a Docker container.  
You download the Language Understanding container image from the Microsoft Container Registry (MCR).  
You need to deploy the container image to a host computer.  
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area





- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

From the Language Understanding portal, retrain the model.

From the host computer, run the container and specify the input directory.

From the Language Understanding portal, export the solution as a package file.

From the host computer, move the package file to the Docker input directory.

From the host computer, build the container and specify the output directory.

Answer Area

From the Language Understanding portal, export the solution as a package file.

From the host computer, move the package file to the Docker input directory.

From the host computer, build the container and specify the output directory.

NEW QUESTION 233

- (Topic 3)  
You have data saved in the following format.

```
FirstName,LastName,Age,LeisureHobby,SportsHobby
John,Smith,23,Reading,Basketball
Ben,Smith,21,Guitar,Curling
```

Which format was used?

- A. CSV
- B. JSON
- C. HTML
- D. YAML

Answer: A

NEW QUESTION 235

- (Topic 3)  
You are building a social media extension that will convert text to speech. The solution must meet the following requirements:

- Support messages of up to 400 characters.
- Provide users with multiple voice options.
- Minimize costs.

You create an Azure Cognitive Services resource.  
Which Speech API endpoint provides users with the available voice options?

- A. <https://uksouth.customvoice.apispeech.microsoft.com/api/texttospeech/v3.0/longaudiosyntesis/voices>
- B. <https://uksouth.tts.speech.microsoft.com/cognitiveservices/voices/list>
- C. <https://uksouth.voice.speech.microsoft.com/cognitiveservices/v1?deploymentId={deploymentId}>
- D. <https://uksouth.api.cognitive.microsoft.com/speechtotext/v3.0/models/base>

Answer: B

NEW QUESTION 238

HOTSPOT - (Topic 3)  
You are building a chatbot.  
You need to use the Content Moderator API to identify aggressive and sexually explicit language.  
Which three settings should you configure? To answer, select the appropriate settings in the answer area.  
NOTE: Each correct selection is worth one point.



Microsoft

Cognitive Services

Image

Text

Content Moderator - Moderate

Text - Screen

The operation detects profanity in more than 100 languages and match against custom and shared blacklists.

Host

Name

uksouth.api.cognitive.microso

Query parameters

autocorrect

Value

Remove parameter

Pii

Value

Remove parameter

listId

Value

Remove parameter

classify

false

Remove parameter

language

Value

Remove parameter

+ Add parameter

Headers

Content-Type

text/plain

Remove header

Ocp-Apim-Subscription-Key

Value

+ Add header

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Microsoft

Cognitive Services

Image

Text

Content Moderator - Moderate

Text - Screen

The operation detects profanity in more than 100 languages and match against custom and shared blacklists.

Host

Name

uksouth.api.cognitive.microso

Query parameters

autocorrect

Value

Remove parameter

Pii

Value

Remove parameter

listId

Value

Remove parameter

classify

false

Remove parameter

language

Value

Remove parameter

+ Add parameter

Headers

Content-Type

text/plain

Remove header

Ocp-Apim-Subscription-Key

Value

+ Add header

NEW QUESTION 242

HOTSPOT - (Topic 3)

You develop an application that uses the Face API. You need to add multiple images to a person group. How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = $"/path/to/person/{i}/images";
    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        using ( 

|        |   |
|--------|---|
|        | ▼ |
| File   |   |
| Stream |   |
| Uri    |   |
| Url    |   |

 t = File.OpenRead(imagePath))

        {
            await faceClient.PersonGroupPerson. 

|                        |   |
|------------------------|---|
|                        | ▼ |
| AddFaceFromStreamAsync |   |
| AddFaceFromUrlAsync    |   |
| CreateAsync            |   |
| GetAsync               |   |



            (personGroupId, personId, t);
        }
    }
});
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Stream  
The File.OpenRead(String) method opens an existing file for reading.  
Example: Open the stream and read it back. using (FileStream fs = File.OpenRead(path))  
Box 2: AddFaceFromStreamAsync  
Step 5 on <https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

NEW QUESTION 246

- (Topic 3)  
You develop a Conversational Language Understanding model by using Language Studio  
During testing, users receive incorrect responses to requests that do NOT relate to the capabilities of the model.  
You need to ensure that the model identifies spurious requests. What should you do?

- A. Enable active learning.
- B. Add examples to the custom intents.
- C. Add examples to the None intent
- D. Add entities.

Answer: A

NEW QUESTION 247

- (Topic 3)  
Which scenario is an example of a streaming workload?  
  
A. sending transactions daily from point of sale (POS) devices  
B. sending cloud infrastructure metadata every 30 minutes  
C. sending transactions that are older than a month to an archive  
D. sending telemetry data from edge devices

Answer: D

NEW QUESTION 252

HOTSPOT - (Topic 3)  
You are developing an internet-based training solution for remote learners.  
Your company identifies that during the training, some learners leave their desk for long periods or become distracted.  
You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.  
Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

From a learner’s video feed, verify whether the learner is present:

Face

Speech

Text Analytics

From a learner’s facial expression in the video feed, verify whether the learner is paying attention:

Face

Speech

Text Analytics

From a learner’s audio feed, detect whether the learner is talking:

Face

Speech

Text Analytics

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

From a learner’s video feed, verify whether the learner is present:

Face

Speech

Text Analytics

From a learner’s facial expression in the video feed, verify whether the learner is paying attention:

Face

Speech

Text Analytics

From a learner’s audio feed, detect whether the learner is talking:

Face

Speech

Text Analytics

NEW QUESTION 255

- (Topic 3)  
You are examining the Text Analytics output of an application.  
The text analyzed is: "Our tour guide took us up the Space Needle during our trip to Seattle last week."  
The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Text Analytics API is used to analyze the text?

- A. Sentiment Analysis
- B. Named Entity Recognition
- C. Entity Linking
- D. Key Phrase Extraction

Answer: B

NEW QUESTION 260

- (Topic 3)  
You build a chatbot that uses the Azure OpenAI GPT 3.5 model.  
You need to improve the quality of the responses from the chatbot. The solution must minimize development effort.  
What are two ways to achieve the goal? Each correct answer presents a complete solution. NOTE: Each correct answer is worth one point.

- A. Fine-tune the model.
- B. Provide grounding content.
- C. Add sample request/response pairs.

- D. Retrain the language model by using your own data.
- E. Train a custom large language model (LLM).

**Answer:** BC

#### NEW QUESTION 264

- (Topic 3)

You are developing a method that uses the Computer Vision client library. The method will perform optical character recognition (OCR) in images. The method has the following code.

```
public static async Task ReadFileUrl(ComputerVisionClient client, string urlFile)
{
    const int numberOfCharsInOperationId = 36;

    var txtHeaders = await client.ReadAsync(urlFile, language: "en");

    string opLocation = txtHeaders.OperationLocation;
    string operationId = opLocation.Substring(opLocation.Length -
        numberOfCharsInOperationId);

    ReadOperationResult results;

    results = await client.GetReadResultAsync(Guid.Parse(operationId));

    var textUrlFileResults = results.AnalyzeResult.ReadResults;
    foreach (ReadResult page in textUrlFileResults)
    {
        foreach (Line line in page.Lines)
        {
            Console.WriteLine(line.Text);
        }
    }
}
```

During testing, you discover that the call to the GetReadResultAsync method occurs before the read operation is complete. You need to prevent the GetReadResultAsync method from proceeding until the read operation is complete. Which two actions should you perform? Each correct answer presents part of the solution. (Choose two.)  
NOTE: Each correct selection is worth one point.

- A. Remove the Guid.Parse(operationId) parameter.
- B. Add code to verify the results.Status value.
- C. Add code to verify the status of the txtHeaders.Status value.
- D. Wrap the call to GetReadResultAsync within a loop that contains a delay.

**Answer:** BD

#### Explanation:

Example code : do

```
{
results = await client.GetReadResultAsync(Guid.Parse(operationId));
}
while ((results.Status == OperationStatusCodes.Running || results.Status == OperationStatusCodes.NotStarted));
```

Reference:

<https://github.com/Azure-Samples/cognitive-services-quickstart- code/blob/master/dotnet/ComputerVision/ComputerVisionQuickstart.cs>

#### NEW QUESTION 265

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

You discover that some search query requests to the Cognitive Search service are being throttled.

You need to reduce the likelihood that search query requests are throttled. Solution: You migrate to a Cognitive Search service that uses a higher tier. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

#### Explanation:

A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling). However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

#### NEW QUESTION 270

HOTSPOT - (Topic 3)

You need to create a new resource that will be used to perform sentiment analysis and optical character recognition (OCR). The solution must meet the following requirements:

- ? Use a single key and endpoint to access multiple services.
- ? Consolidate billing for future services that you might use.



? Support the use of Computer Vision in the future.  
 How should you complete the HTTP request to create the new resource? To answer, select the appropriate options in the answer area.  
 NOTE: Each correct selection is worth one point.

**Answer Area**

▼

https://management.azure.com/subscriptions/xxxxxxx-xxxx-

PATCH

POST

PUT

xxxx-xxxx-  
 xxxxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/  
 accounts/CS1?api-version=2017-04-18

```
{
  "location": "West US",
  "kind": "
  "sku": {
    "name": "S0"
  },
  "properties": {},
  "identity": {
    "type": "SystemAssigned"
  }
}
```

▼

CognitiveServices

ComputerVision

TextAnalytics

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
 Box 1: PUT  
 Sample Request: PUT https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/test-rg/providers/Microsoft.DeviceUpdate/accounts/contoso?api-version=2020-03-01-preview

**NEW QUESTION 272**

DRAG DROP - (Topic 3)  
 You build a bot by using the Microsoft Bot Framework SDK. You need to test the bot interactively on a local machine.  
 Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.  
 NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

**Actions**

Register the bot with the Azure Bot Service.

Open the Bot Framework Composer.

Build and run the bot.

Open the Bot Framework Emulator.

Connect to the bot endpoint.

>

<

**Answer Area**

>

<

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Actions**

Register the bot with the Azure Bot Service.

Open the Bot Framework Composer.

Build and run the bot.

Open the Bot Framework Emulator.

Connect to the bot endpoint.

>

<

**Answer Area**

Build and run the bot.

Open the Bot Framework Emulator.

Connect to the bot endpoint.

>

<

**NEW QUESTION 275**

- (Topic 3)  
 What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution.

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NOTE: Each correct selection Is worth one point.

- A. reduced administrative effort for managing the server infrastructure
- B. complete control over backup and restore processes
- C. in-database machine learning services S3
- D. access to the latest features

Answer: AD

NEW QUESTION 278

DRAG DROP - (Topic 3)

You need to analyze video content to identify any mentions of specific company names.

Which three actions should you perform in sequence? To answer move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Add the specific company names to the exclude list.

Sign in to the Custom Vision website.

From Content model customization, select **Language**.

Sign in to the Azure Video Analyzer for Media website.

From Content model customization, select **Brands**.

Add the specific company names to the include list.

>

<

Answer Area

&u2191

&u2193

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Add the specific company names to the exclude list.

Sign in to the Custom Vision website.

From Content model customization, select **Language**.

Sign in to the Azure Video Analyzer for Media website.

From Content model customization, select **Brands**.

Add the specific company names to the include list.

>

<

Answer Area

Sign in to the Azure Video Analyzer for Media website.

From Content model customization, select **Brands**.

Add the specific company names to the include list.

&u2191

&u2193

NEW QUESTION 282

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language Users report that the responses of the chatbot lack formality when answering spurious questions

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you remove all the chit-chat question and answer pairs, and then retrain and republish the model Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Removing all the chit-chat question and answer pairs from the project will not ensure that the chatbot provides formal responses to spurious questions. It will only make the chatbot unable to handle any chit-chat scenarios, which may result in a poor user experience and a loss of engagement. Instead, you should choose a chit-chat personality that matches the tone and style of your chatbot, such as Professional or Caring. You can also edit the chit-chat questions and answers to suit your specific needs, or add new ones that are not in the predefined data set12. This way, you can ensure that the chatbot responds appropriately to spurious questions, while still maintaining a conversational and engaging interaction with the user.

NEW QUESTION 284

- (Topic 3)

You need to measure the public perception of your brand on social media by using natural language processing. Which Azure service should you use?

- A. Content Moderator
- B. Form Recognizer
- C. Computer Vision
- D. Language service

Answer: D

### NEW QUESTION 285

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

<div><div>A data analyst</div><div>A data engineer</div><div>A data scientist</div></div>	is responsible for identifying which business rules must be applied to the data of a company.
---	---

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

<div><div>A data analyst</div><div>A data engineer</div><div>A data scientist</div></div>	is responsible for identifying which business rules must be applied to the data of a company.
---	---

### NEW QUESTION 290

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

A relational database is appropriate for scenarios that involve a high volume of	<div><div>changes to relationships between entities.</div><div>geographically distributed writes.</div><div>transactional writes.</div><div>writes that have varying data structures.</div></div>
--	---

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

A relational database is appropriate for scenarios that involve a high volume of	<div><div>changes to relationships between entities.</div><div>geographically distributed writes.</div><div>transactional writes.</div><div>writes that have varying data structures.</div></div>
--	---

### NEW QUESTION 295

- (Topic 3)

You have an Azure subscription that contains an Azure Cognitive Service for Language resource. You need to identify the URL of the REST interface for the Language service. Which blade should you use in the Azure portal?

- A. Identity
- B. Keys and Endpoint
- C. Properties
- D. Networking

**Answer:** B

### NEW QUESTION 299

HOTSPOT - (Topic 3)

You are building a chatbot for a Microsoft Teams channel by using the Microsoft Bot Framework SDK. The chatbot will use the following code.

```
protected override async Task OnMembersAddedAsync(IList<ChannelAccount>
membersAdded, ITurnContext<IConversationUpdateActivity> turnContext,
CancellationTokens cancellationTokens)
{
    foreach (var member in membersAdded)
    {
        if (member.Id != turnContext.Activity.Recipient.Id)
        {
            await turnContext.SendActivityAsync($"Hi there - {member.Name}.
{WelcomeMessage}", cancellationTokens: cancellationTokens);
        }
    }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.



Answer Area

Statements	Yes	No
OnMembersAddedAsync will be triggered when a user joins the conversation.	<input type="radio"/>	<input type="radio"/>
When a new user joins the conversation, the existing users in the conversation will see the chatbot greeting.	<input type="radio"/>	<input type="radio"/>
OnMembersAddedAsync will be initialized when a user sends a message.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Box 1: Yes  
The ActivityHandler.OnMembersAddedAsync method overrides this in a derived class to provide logic for when members other than the bot join the conversation, such as your bot's welcome logic.  
Box 2: Yes  
membersAdded is a list of all the members added to the conversation, as described by the conversation update activity.  
Box 3: No

NEW QUESTION 302

DRAG DROP - (Topic 3)  
Match the Azure Cosmos DB APIs to the appropriate data structures.  
To answer, drag the appropriate API from the column on the left to its data structure on the right. Each API may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

APIs

Cassandra API

Gremlin API

MongoDB API

Table API

Answer Area

API

Graph data

API

JSON documents

API

Key/value data

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

APIs

Cassandra API

Gremlin API

MongoDB API

Table API

Answer Area

Gremlin API

Graph data

MongoDB API

JSON documents

Table API

Key/value data

NEW QUESTION 306

- (Topic 3)  
You are building an Azure WebJob that will create knowledge bases from an array of URLs.  
You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.  
You need to develop a method to create the knowledge bases.  
Which two actions should you include in the method? Each correct answer presents part of the solution.  
NOTE: Each correct selection is worth one point.

- A. Create a list of FileDTO objects that represents data from the WebJob.  
B. Call the clien  
C. Knowledgebas  
D. CreateAsync method.  
E. Create a list of QnADTO objects that represents data from the WebJob.  
F. Create a CreaceKbDTO object.

Answer: AC

Explanation:

Reference:  
https://docs.microsoft.com/en-us/rest/api/cognitiveservices-qnamaker/qnamaker4.0/knowledgebase/create

NEW QUESTION 307



- (Topic 3)  
You build a custom Form Recognizer model.  
You receive sample files to use for training the model as shown in the following table.

Name	Type	Size
File1	PDF	20 MB
File2	MP4	100 MB
File3	JPG	20 MB
File4	PDF	100 MB
File5	GIF	1 MB
File6	JPG	40 MB

Which three files can you use to train the model? Each correct answer presents a complete solution. (Choose three.)  
NOTE: Each correct selection is worth one point.

- A. File1
- B. File2
- C. File3
- D. File4
- E. File5
- F. File6

**Answer:** ACF

**Explanation:**  
Input requirements  
Form Recognizer works on input documents that meet these requirements:  
Format must be JPG, PNG, PDF (text or scanned), or TIFF. Text-embedded PDFs are best because there's no possibility of error in character extraction and location.  
File size must be less than 50 MB.  
Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview>

**NEW QUESTION 310**

DRAG DROP - (Topic 3)  
You train a Custom Vision model used in a mobile app.  
You receive 1,000 new images that do not have any associated data.  
You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.  
Which three actions should you perform in the Custom Vision portal? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

**Actions**

Upload the images by category.

Get suggested tags.

Upload all the images.

Group the images locally into category folders.

Review the suggestions and confirm the tags.

Tag the images manually.

**Answer Area**

⬅

➡

⬆

⬆

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
1) upload all the images 2.) Get suggested tags 3.) Review the suggestions and confirm the tags

**NEW QUESTION 311**

HOTSPOT - (Topic 3)  
Select the answer that correctly completes the sentence.

**Answer Area**

The 

ALTER

JOIN

SET

WHERE

 clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

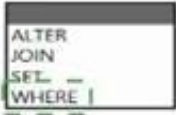
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The



clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

NEW QUESTION 312

- (Topic 3)

What is a primary characteristic of a relational database?

- A. data is queried and manipulated by using a variant of the SQL language
- B. a lack of dependencies between tables
- C. a flexible data structure
- D. a large amount of duplicate data

Answer: C

NEW QUESTION 313

- (Topic 3)

You have a file share that contains 5,000 images of scanned invoices.

You need to analyze the images. The solution must extract the following data:

- Invoice items
  - Sales amounts
  - Customer details
- What should you use?

- A. Custom Vision
- B. Computer Vision
- C. Immersive Reader
- D. Form Recognizer

Answer: C

NEW QUESTION 314

- (Topic 3)

Which statement is an example of Data Manipulation Language (DML)?

- A. Revoke
- B. UPDATE
- C. DROP
- D. CREATE

Answer: B

NEW QUESTION 318

HOTSPOT - (Topic 3)

You are developing a text processing solution. You develop the following method.

```
static void GetKeyPhrases(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.ExtractKeyPhrases(text);
    Console.WriteLine("Key phrases:");

    foreach (string keyphrase in response.Value)
    {
        Console.WriteLine($"{keyphrase}");
    }
}
```

You call the method by using the following code. GetKeyPhrases(textAnalyticsClient, "the cat sat on the mat");

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The call will output key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>
The output will contain the following words: the, cat, sat, on, and mat.	<input type="radio"/>	<input type="radio"/>
The output will contain the confidence level for key phrases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Box 1: Yes

The Key Phrase Extraction API evaluates unstructured text, and for each JSON document, returns a list of key phrases.

Box 2: No

'the' is not a key phrase.

This capability is useful if you need to quickly identify the main points in a collection of documents. For example, given input text "The food was delicious and there were wonderful staff", the service returns the main talking points: "food" and "wonderful staff".

Box 3: No

Key phrase extraction does not have confidence levels.

**NEW QUESTION 319**

- (Topic 3)

You are developing a method for an application that uses the Translator API.

The method will receive the content of a webpage, and then translate the content into Greek (el). The result will also contain a transliteration that uses the Roman alphabet.

You need to create the URI for the call to the Translator API. You have the following URI. <https://api.cognitive.microsofttranslator.com/translate?api-version=3.0>

Which three additional query parameters should you include in the URI? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. toScript=Cyrl
- B. from=el
- C. textType=html
- D. to=el
- E. textType=plain
- F. toScript=Latn

Answer: ADF

**Explanation:**

C: textType is an optional parameter. It defines whether the text being translated is plain text or HTML text (used for web pages).

D: to is a required parameter. It specifies the language of the output text. The target language must be one of the supported languages included in the translation scope.

F: toScript is an optional parameter. It specifies the script of the translated text. We use Latin (Roman alphabet) script.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate>



**NEW QUESTION 321**

DRAG DROP - (Topic 3)

You have a chatbot that uses a QnA Maker application.

You enable active learning for the knowledge base used by the QnA Maker application. You need to integrate user input into the model.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Add a task to the Azure resource.	
Approve and reject suggestions.	
Publish the knowledge base.	
Modify the automation task logic app to run an Azure Resource Manager template that creates the Azure Cognitive Services resource.	 
For the knowledge base, select Show active learning suggestions.	
Save and train the knowledge base.	
Select the properties of the Azure Cognitive Services resource.	

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Step 1: For the knowledge base, select Show active learning suggestions.

In order to see the suggested questions, on the Edit knowledge base page, select View Options, then select Show active learning suggestions.

Step 2: Approve and reject suggestions.

Each QnA pair suggests the new question alternatives with a check mark, , to accept the question or an x to reject the suggestions. Select the check mark to add the question.

Step 3: Save and train the knowledge base.

Select Save and Train to save the changes to the knowledge base. Step 4: Publish the knowledge base.

Select Publish to allow the changes to be available from the GenerateAnswer API.

When 5 or more similar queries are clustered, every 30 minutes, QnA Maker suggests the alternate questions for you to accept or reject.

**NEW QUESTION 323**

- (Topic 3)

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.

You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenantId
- C. appId
- D. objectId
- E. appSecret

**Answer:** CE

**Explanation:**

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

**NEW QUESTION 324**

- (Topic 2)

You are developing the chatbot.

You create the following components:

\* A QnA Maker resource

\* A chatbot by using the Azure Bot Framework SDK.

You need to integrate the components to meet the chatbot requirements. Which property should you use?

- A. QnADialogResponseOptions.CardNoMatchText
- B. Qna MakerOptions-ScoreThreshold
- C. Qna Maker Options StrickFilters
- D. QnaMakerOptions.RankerType

**Answer:** D

**Explanation:**

Scenario: When the response confidence score is low, ensure that the chatbot can provide other response options to the customers.

When no good match is found by the ranker, the confidence score of 0.0 or "None" is returned and the default response is "No good match found in the KB". You can override this default response in the bot or application code calling the endpoint. Alternately, you can also set the override response in Azure and this changes the default for all knowledge bases deployed in a particular QnA Maker service.

Choosing Ranker type: By default, QnA Maker searches through questions and answers. If you want to search through questions only, to generate an answer, use the RankerType=QuestionOnly in the POST body of the GenerateAnswer request.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/concepts/best-practices>

**NEW QUESTION 326**

- (Topic 2)

You are developing the chatbot.

You create the following components:

• A QnA Maker resource

• A chatbot by using the Azure Bot Framework SDK

You need to add an additional component to meet the technical requirements and the chatbot requirements. What should you add?

- A. Dispatch
- B. chatdown
- C. Language Understanding
- D. Microsoft Translator

**Answer:** A

**Explanation:**

Scenario: All planned projects must support English, French, and Portuguese.

If a bot uses multiple LUIS models and QnA Maker knowledge bases (knowledge bases), you can use the Dispatch tool to determine which LUIS model or QnA Maker knowledge base best matches the user input. The dispatch tool does this by creating a single LUIS app to route user input to the correct model.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-tutorial-dispatch>

**NEW QUESTION 328**



- (Topic 2)

You are developing the knowledgebase by using Azure Cognitive Search. You need to process wiki content to meet the technical requirements. What should you include in the solution?

- A. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill and the text translation skill
- B. an indexer for Azure Blob storage attached to a skillset that contains the language detection skill
- C. an indexer for Azure Cosmos DB attached to a skillset that contains the document extraction skill and the text translation skill
- D. an indexer for Azure Cosmos DB attached to a skillset that contains the language detection skill and the text translation skill

**Answer: C**

**Explanation:**

The wiki contains text in English, French and Portuguese.

Scenario: All planned projects must support English, French, and Portuguese.

The Document Extraction skill extracts content from a file within the enrichment pipeline. This allows you to take advantage of the document extraction step that normally happens before the skillset execution with files that may be generated by other skills.

Note: The Translator Text API will be used to determine the from language. The Language detection skill is not required.

Reference:

<https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-document-extraction> <https://docs.microsoft.com/en-us/azure/search/cognitive-search-skill-text-translation>

**NEW QUESTION 332**

- (Topic 2)

You are developing the knowledgebase.

You use Azure Video Analyzer for Media (previously Video indexer) to obtain transcripts of webinars.

You need to ensure that the solution meets the knowledgebase requirements. What should you do?

- A. Create a custom language model
- B. Configure audio indexing for videos only
- C. Enable multi-language detection for videos
- D. Build a custom Person model for webinar presenters

**Answer: B**

**Explanation:**

Can search content in different formats, including video

Audio and video insights (multi-channels). When indexing by one channel, partial result for those models will be available.

Keywords extraction: Extracts keywords from speech and visual text.

Named entities extraction: Extracts brands, locations, and people from speech and visual text via natural language processing (NLP).

**NEW QUESTION 336**

- (Topic 2)

You are developing the knowledgebase by using Azure Cognitive Search.

You need to meet the knowledgebase requirements for searching equivalent terms. What should you include in the solution?

- A. a synonym map
- B. a suggester
- C. a custom analyzer
- D. a built-in key phrase extraction skill

**Answer: A**

**Explanation:**

Within a search service, synonym maps are a global resource that associate equivalent terms, expanding the scope of a query without the user having to actually provide the term. For example, assuming "dog", "canine", and "puppy" are mapped synonyms, a query on "canine" will match on a document containing "dog".

Create synonyms: A synonym map is an asset that can be created once and used by many indexes.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-synonyms>

**NEW QUESTION 340**

HOTSPOT - (Topic 1)

You need to develop code to upload images for the product creation project. The solution must meet the accessibility requirements.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

#### NEW QUESTION 344

- (Topic 1)

You are developing the smart e-commerce project.

You need to implement autocompletion as part of the Cognitive Search solution. Which three actions should you perform? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. Make API queries to the autocomplete endpoint and include suggesterName in the body.  
 B. Add a suggester that has the three product name fields as source fields.  
 C. Make API queries to the search endpoint and include the product name fields in the searchFields query parameter.  
 D. Add a suggester for each of the three product name fields.  
 E. Set the searchAnalyzer property for the three product name variants.  
 F. Set the analyzer property for the three product name variants.

**Answer:** ABF

**Explanation:**

Scenario: Support autocompletion and autosuggestion based on all product name variants. A: Call a suggester-enabled query, in the form of a Suggestion request or Autocomplete

request, using an API. API usage is illustrated in the following call to the Autocomplete REST API.

POST /indexes/myxboxgames/docs/autocomplete?search&api-version=2020-06-30

```
{
  "search": "minecraf", "suggesterName": "sg"
}
```

B: In Azure Cognitive Search, typeahead or "search-as-you-type" is enabled through a suggester. A suggester provides a list of fields that undergo additional

tokenization, generating prefix sequences to support matches on partial terms. For example, a suggester that includes a City field with a value for "Seattle" will have prefix combinations of "sea", "seat", "seatt", and "seattl" to support typeahead.

F. Use the default standard Lucene analyzer ("analyzer": null) or a language analyzer (for example, "analyzer": "en.Microsoft") on the field.

Reference:  
<https://docs.microsoft.com/en-us/azure/search/index-add-suggesters>

**NEW QUESTION 347**

HOTSPOT - (Topic 1)

You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

AllUsers:

Cognitive Service User

Contributor

Owner

QnA Maker Editor

QnA Maker Read

LeadershipTeam:

Cognitive Service User

Contributor

Owner

QnA Maker Editor

QnA Maker Read

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: QnA Maker Editor

Scenario: Provide all employees with the ability to edit Q&As.

The QnA Maker Editor (read/write) has the following permissions: Create KB API

Update KB API Replace KB API Replace Alterations "Train API" [in

new service model v5]

Box 2: Contributor

Scenario: Only senior managers must be able to publish updates. Contributor permission: All except ability to add new members to roles

**NEW QUESTION 351**

DRAG DROP - (Topic 1)

You are developing the smart e-commerce project.

You need to design the skillset to include the contents of PDFs in searches.

How should you complete the skillset design diagram? To answer, drag the appropriate services to the correct stages. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Services

Azure Blob storage

Custom Vision API

Azure Files

Language Understanding API

Translator API

Computer Vision API

Azure Cosmos DB

Answer Area

Source

Cracking

Preparation

Destination

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Azure Blob storage

At the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.

Box 2: Computer Vision API

Scenario: Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.

The Computer Vision Read API is Azure's latest OCR technology (learn what's new) that extracts printed text (in several languages), handwritten text (English only), digits, and currency symbols from images and multi-page PDF documents.

Box 3: Translator API

Scenario: Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese.

Box 4: Azure Files

Scenario: Store all raw insight data that was generated, so the data can be processed later.

**NEW QUESTION 356**

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