

Exam Questions CKA

Certified Kubernetes Administrator (CKA) Program

<https://www.2passeasy.com/dumps/CKA/>



NEW QUESTION 1

CORRECT TEXT

List all the pods sorted by name

- A. Mastered
- B. Not Mastered

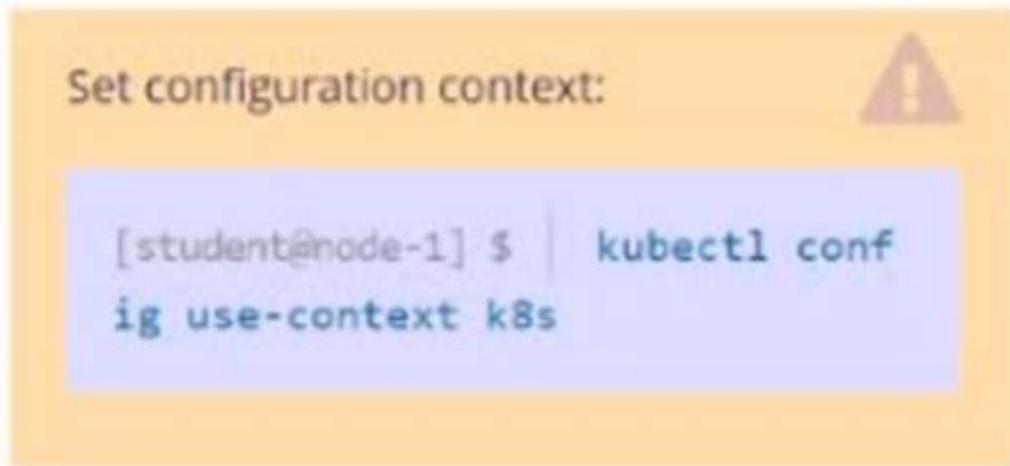
Answer: A**Explanation:**

kubectl get pods --sort-by=.metadata.name

NEW QUESTION 2

CORRECT TEXT

Task Weight: 4%



Task

Schedule a Pod as follows:

- Name: kucc1
- App Containers: 2
- Container Name/Images: o nginx
o consul

- A. Mastered
- B. Not Mastered

Answer: A**Explanation:**

Solution:

```
student@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
student@node-1:~$ kubectl run kucc1 --image=nginx --dry-run=client -o yaml > aa.y
```



Graphical user interface, text, application
Description automatically generated

```

student@node-1:~$ kubectl config use-context k8s
Switched to context "k8s".
student@node-1:~$ kubectl run kucc1 --image=nginx --dry-run=client -o yaml > aa.yaml
student@node-1:~$ vim aa.yaml
student@node-1:~$ kubectl create -f aa.yaml
pod/kucc1 created
student@node-1:~$ kubectl get pods
NAME                READY   STATUS              RESTARTS   AGE
ll-factor-app       1/1     Running             0           6h34m
cpu-loader-98b9se   1/1     Running             0           6h33m
cpu-loader-ab2d3s   1/1     Running             0           6h33m
cpu-loader-kipb9a   1/1     Running             0           6h33m
foobar              1/1     Running             0           6h34m
front-end-6bc87b9748-24rcm  1/1     Running             0           5m4s
front-end-6bc87b9748-hd5wp  1/1     Running             0           5m2s
kucc1                0/2     ContainerCreating   0           3s
nginx-kusc00401     1/1     Running             0           2m28s
webserver-84c89dfd75-2d1jn  1/1     Running             0           6h38m
webserver-84c89dfd75-8d8x2  1/1     Running             0           6h38m
webserver-84c89dfd75-z5zz4  1/1     Running             0           3m51s
student@node-1:~$

```

Text Description automatically generated

NEW QUESTION 3

CORRECT TEXT

List pod logs named "frontend" and search for the pattern "started" and write it to a file "/opt/error-logs"

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Kubectl logs frontend | grep -i "started" > /opt/error-logs

NEW QUESTION 4

CORRECT TEXT

Score:7%



Task

Create a new PersistentVolumeClaim

- Name: pv-volume
- Class: csi-hostpath-sc
- Capacity: 10Mi

Create a new Pod which mounts the PersistentVolumeClaim as a volume:

- Name: web-server
- Image: nginx
- Mount path: /usr/share/nginx/html

Configure the new Pod to have ReadWriteOnce access on the volume.

Finally, using kubectl edit or kubectl patch expand the PersistentVolumeClaim to a capacity of 70Mi and record that change.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution:

```

vi pvc.yaml
storageclass pvc
apiVersion: v1
kind: PersistentVolumeClaim
metadata:
name: pv-volume

```

```
spec:
accessModes:
- ReadWriteOnce
volumeMode: Filesystem
resources:
requests:
storage: 10Mi
storageClassName: csi-hostpath-sc
# vi pod-pvc.yaml
apiVersion: v1
kind: Pod
metadata:
name: web-server
spec:
containers:
- name: web-server
image: nginx
volumeMounts:
- mountPath: "/usr/share/nginx/html"
name: my-volume
volumes:
- name: my-volume
persistentVolumeClaim:
claimName: pv-volume
# craete
kubectl create -f pod-pvc.yaml
#edit
kubectl edit pvc pv-volume --record
```

NEW QUESTION 5

CORRECT TEXT

Score: 4%



Task

Check to see how many nodes are ready (not including nodes tainted NoSchedule) and write the number to /opt/KUSC00402/kusc00402.txt.

- A. Mastered
- B. Not Mastered

Answer: A**Explanation:**

Solution:

```
kubectl describe nodes | grep ready|wc -l
kubectl describe nodes | grep -i taint | grep -i noschedule |wc -l
echo 3 > /opt/KUSC00402/kusc00402.txt
#
kubectl get node | grep -i ready |wc -l
# taintsnoSchedule
kubectl describe nodes | grep -i taints | grep -i noschedule |wc -l
#
echo 2 > /opt/KUSC00402/kusc00402.txt
```

NEW QUESTION 6

CORRECT TEXT

Score: 7%

Set configuration context: 

```
[student@node-1] $ | kube  
ctl config use-context m  
k8s
```

Task

Given an existing Kubernetes cluster running version 1.20.0, upgrade all of the Kubernetes control plane and node components on the master node only to version 1.20.1.

Be sure to drain the master node before upgrading it and uncordon it after the upgrade.

You can ssh to the master node using: 

```
[student@node-1] $ | ssh  
mk8s-master-0
```

You can assume elevated privileges on the master node with the following command:

```
[student@mk8s-master-0] |  
$  
sudo -i
```

You are also expected to upgrade kubelet and kubectl on the master node.

Do not upgrade the worker nodes, etcd, the container manager, the CNI plugin, the DNS service or any other addons. 

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

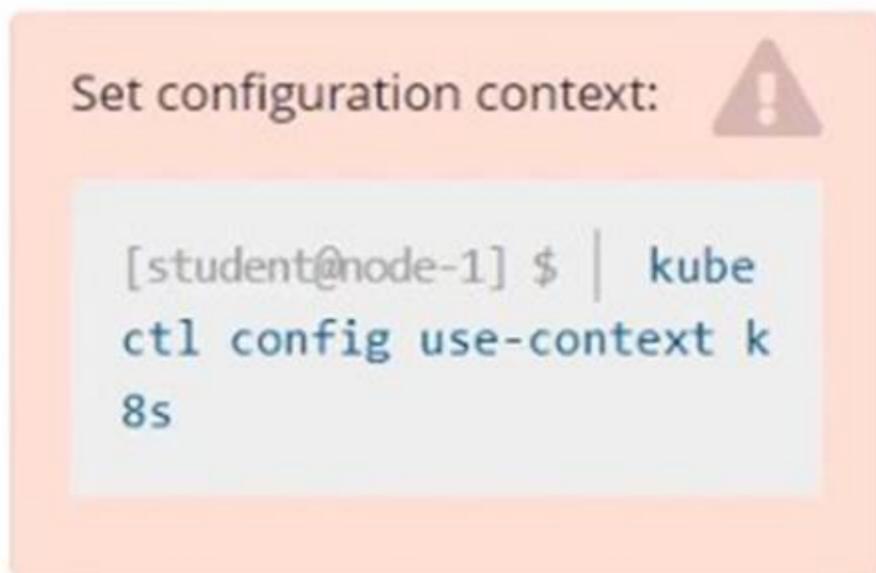
SOLUTION:

```
[student@node-1] > ssh ek8s
kubectl cordon k8s-master
kubectl drain k8s-master --delete-local-data --ignore-daemonsets --force
apt-get install kubeadm=1.20.1-00 kubelet=1.20.1-00 kubectl=1.20.1-00 --
disableexcludes=kubernetes
kubeadm upgrade apply 1.20.1 --etcd-upgrade=false
systemctl daemon-reload
systemctl restart kubelet kubectl
uncordon k8s-master
```

NEW QUESTION 7

CORRECT TEXT

Score: 4%



Context

You have been asked to create a new ClusterRole for a deployment pipeline and bind it to a specific ServiceAccount scoped to a specific namespace.

Task

Create a new ClusterRole named deployment-clusterrole, which only allows to create the following resource types:

- Deployment
- StatefulSet
- DaemonSet

Create a new ServiceAccount named cicd-token in the existing namespace app-team1. Bind the new ClusterRole deployment-clusterrole to the new ServiceAccount cicd-token, limited to the namespace app-team1.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Solution:

Task should be complete on node k8s -1 master, 2 worker for this connect use command [student@node-1] > ssh k8s

```
kubectl create clusterrole deployment-clusterrole --verb=create -- resource=deployments,statefulsets,daemonsets
```

```
kubectl create serviceaccount cicd-token --namespace=app-team1
```

```
kubectl create rolebinding deployment-clusterrole --clusterrole=deployment-clusterrole -- serviceaccount=default:cicd-token --namespace=app-team1
```

NEW QUESTION 8

CORRECT TEXT

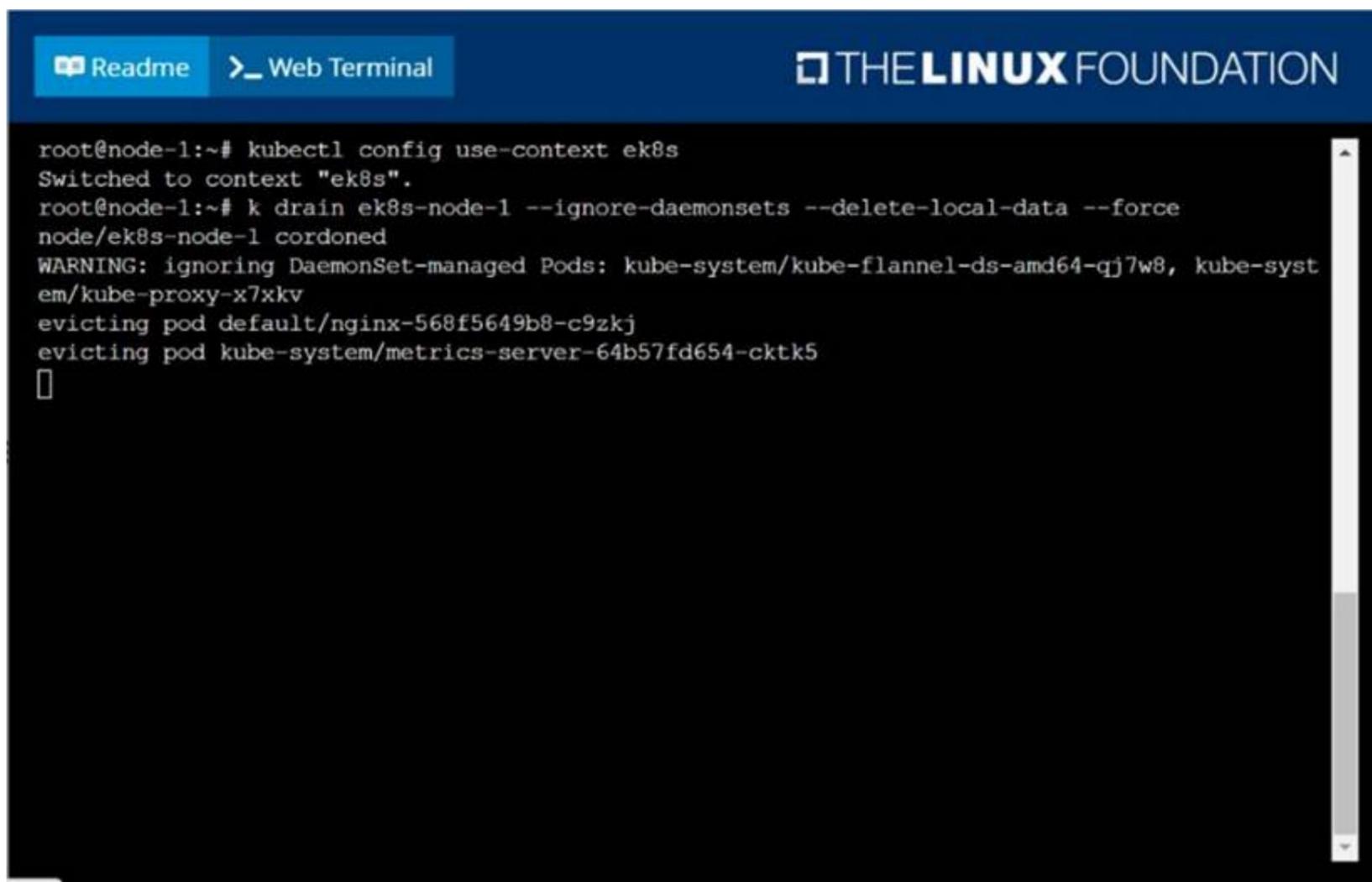
Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution



```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# kubectl config use-context ek8s
Switched to context "ek8s".
root@node-1:~# k drain ek8s-node-1 --ignore-daemonsets --delete-local-data --force
node/ek8s-node-1 cordoned
WARNING: ignoring DaemonSet-managed Pods: kube-system/kube-flannel-ds-amd64-qj7w8, kube-system/kube-proxy-x7xkv
evicting pod default/nginx-568f5649b8-c9zkj
evicting pod kube-system/metrics-server-64b57fd654-cktk5
█
```

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NEW QUESTION 9

CORRECT TEXT

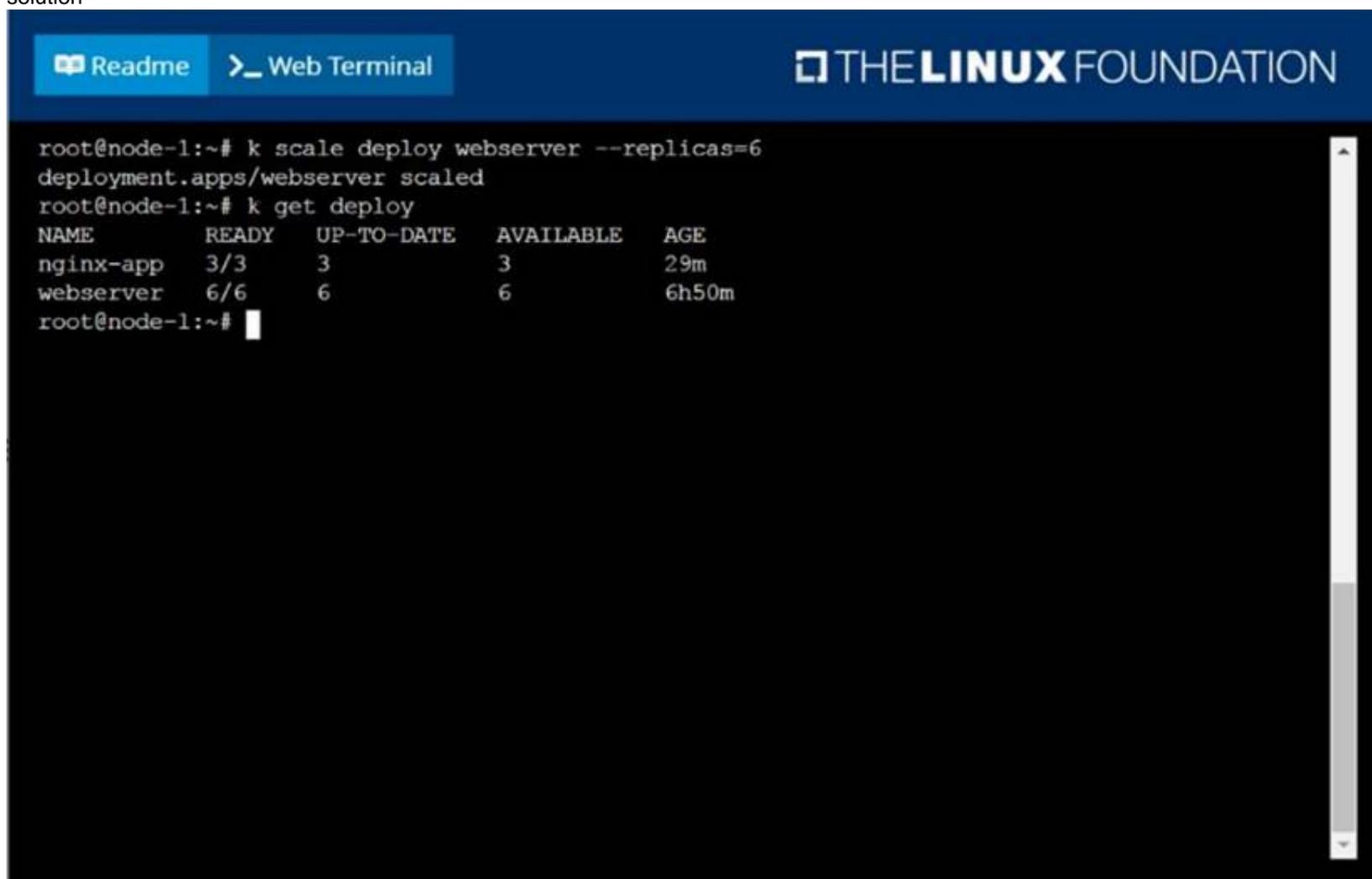
Scale the deployment webserver to 6 pods.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution



```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# k scale deploy webserver --replicas=6
deployment.apps/webserver scaled
root@node-1:~# k get deploy
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
nginx-app     3/3     3            3           29m
webserver     6/6     6            6           6h50m
root@node-1:~# █
```

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NEW QUESTION 10

CORRECT TEXT
Score: 7%

No configuration context 
change required for this
task.

Ensure, however, that you have
returned to the base node
before starting to work on this
task:

```
[student@mk8s-master-0] |  
$  
exit
```

Task
First, create a snapshot of the existing etcd instance running at <https://127.0.0.1:2379>, saving the snapshot to `/srv/data/etcd-snapshot.db`.

Creating a snapshot of the 
given instance is expected
to complete in seconds.

If the operation seems to hang,
something's likely wrong with
your command. Use `CTRL + C`
to cancel the operation and try
again.

Next, restore an existing, previous snapshot located at `/var/lib/backup/etcd-snapshot-previous.db`

The following TLS certificates/key are supplied for connecting to the server with etcdctl :

- CA certificate:
/opt/KUIN00601/ca.crt
- Client certificate:
/opt/KUIN00601/etcd-client.crt
- Client key:
/opt/KUIN00601/etcd-client.key

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Solution:

#backup

```
ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --cacert=/opt/KUIN00601/ca.crt --cert=/opt/KUIN00601/etcd-client.crt --key=/opt/KUIN00601/etcd-client.key snapshot save /etc/data/etcd-snapshot.db
```

#restore

```
ETCDCTL_API=3 etcdctl --endpoints="https://127.0.0.1:2379" --cacert=/opt/KUIN00601/ca.crt --cert=/opt/KUIN00601/etcd-client.crt --key=/opt/KUIN00601/etcd-client.key snapshot restore /var/lib/backup/etcd-snapshot-previoys.db
```

NEW QUESTION 10

CORRECT TEXT

Score: 7%

Set configuration context:

```
[student@node-1] $ | kube  
ctl config use-context k  
8s
```

Task
Reconfigure the existing deployment front-end and add a port specification named http exposing port 80/tcp of the existing container nginx.
Create a new service named front-end-svc exposing the container port http.
Configure the new service to also expose the individual Pods via a NodePort on the nodes on which they are scheduled.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

```
Solution:
kubectl get deploy front-end
kubectl edit deploy front-end -o yaml
#port specification named http
#service.yaml
apiVersion: v1
kind: Service
metadata:
name: front-end-svc
labels:
app: nginx
spec:
ports:
- port: 80
protocol: tcp
name: http
selector:
app: nginx
type: NodePort
# kubectl create -f service.yaml
# kubectl get svc
# port specification named http
kubectl expose deployment front-end --name=front-end-svc --port=80 --target-port=80 --type=NodePort
```

NEW QUESTION 12

CORRECT TEXT

Create an nginx pod and list the pod with different levels of verbosity

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
// create a pod
kubectl run nginx --image=nginx --restart=Never --port=80
// List the pod with different verbosity
kubectl get po nginx --v=7
kubectl get po nginx --v=8
kubectl get po nginx --v=9
```

NEW QUESTION 15

CORRECT TEXT

Given a partially-functioning Kubernetes cluster, identify symptoms of failure on the cluster.

Determine the node, the failing service, and take actions to bring up the failed service and restore the health of the cluster. Ensure that any changes are made permanently.

You can ssh to the relevant nodes (bk8s-master-0 or bk8s-node-0) using:

```
[student@node-1] $ ssh <nodename>
```

You can assume elevated privileges on any node in the cluster with the following command:

```
[student@nodename] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~#
root@node-1:~# kubectl config use-context bk8s
Switched to context "bk8s".
root@node-1:~# ssh bk8s-master-0
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1109-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Are you ready for Kubernetes 1.19? It's nearly here! Try RC3 with
   sudo snap install microk8s --channel=1.19/candidate --classic

   https://microk8s.io/ has docs and details.

4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@bk8s-master-0:~$ sudo -i
root@bk8s-master-0:~# vim /var/lib/kubelet/config.yaml
```

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```
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authorization:
  mode: Webhook
  webhook:
    cacheAuthorizedTTL: 0s
    cacheUnauthorizedTTL: 0s
clusterDNS:
- 10.96.0.10
clusterDomain: cluster.local
cpuManagerReconcilePeriod: 0s
evictionPressureTransitionPeriod: 0s
fileCheckFrequency: 0s
healthzBindAddress: 127.0.0.1
healthzPort: 10248
httpCheckFrequency: 0s
imageMinimumGCAge: 0s
kind: KubeletConfiguration
nodeStatusReportFrequency: 0s
nodeStatusUpdateFrequency: 0s
rotateCertificates: true
runtimeRequestTimeout: 0s
staticPodPath: /etc/kubernetes/manifests
streamingConnectionIdleTimeout: 0s
syncFrequency: 0s
volumeStatsAggPeriod: 0s
:wg
```

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```
Readme Web Terminal THE LINUX FOUNDATION

https://microk8s.io/ has docs and details.

4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@bk8s-master-0:~$ sudo -i
root@bk8s-master-0:~# vim /var/lib/kubelet/config.yaml
root@bk8s-master-0:~# systemctl restart kubelet
root@bk8s-master-0:~# systemctl enable kubelet
root@bk8s-master-0:~# kubectl get nodes

NAME             STATUS    ROLES    AGE   VERSION
bk8s-master-0   Ready    master   77d   v1.18.2
bk8s-node-0     Ready    <none>   77d   v1.18.2
root@bk8s-master-0:~#
root@bk8s-master-0:~# exit
logout
student@bk8s-master-0:~$ exit
logout
Connection to 10.250.4.77 closed.
root@node-1:~#
```

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NEW QUESTION 19

CORRECT TEXT

Create a pod as follows:

? Name: mongo

? Using Image: mongo

? In a new Kubernetes namespace named: my-website

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~#
root@node-1:~#
root@node-1:~# k create ns my-website
namespace/my-website created
root@node-1:~# k run mongo --image=mongo -n my-website
pod/mongo created
root@node-1:~# k get po -n my-website
NAME     READY   STATUS              RESTARTS   AGE
mongo    0/1     ContainerCreating   0           4s
root@node-1:~#
```

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NEW QUESTION 24

CORRECT TEXT

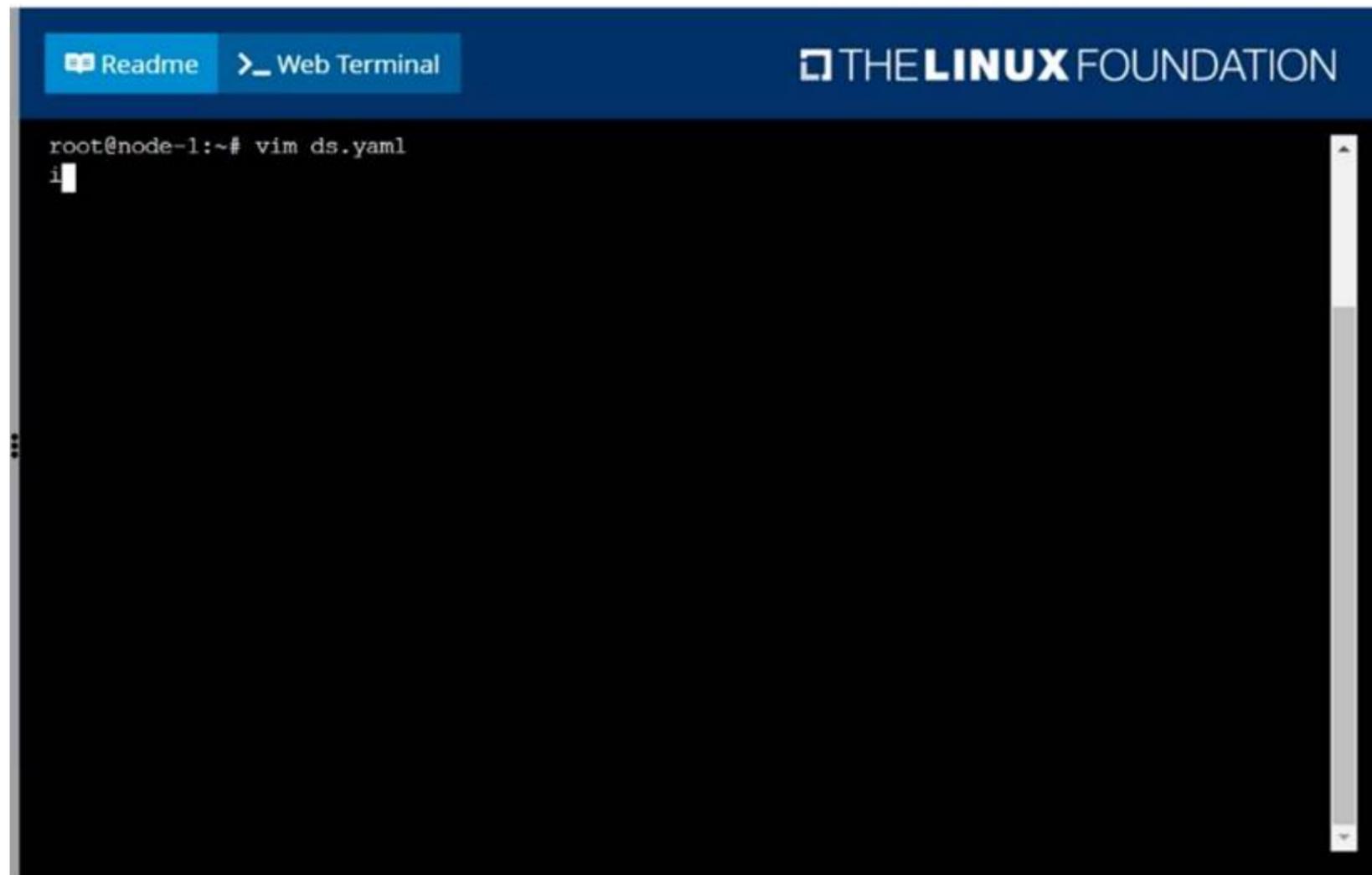
Ensure a single instance of pod nginx is running on each node of the Kubernetes cluster where nginx also represents the Image name which has to be used. Do not override any taints currently in place.

Use DaemonSet to complete this task and use ds-kusc00201 as DaemonSet name.

- A. Mastered
- B. Not Mastered

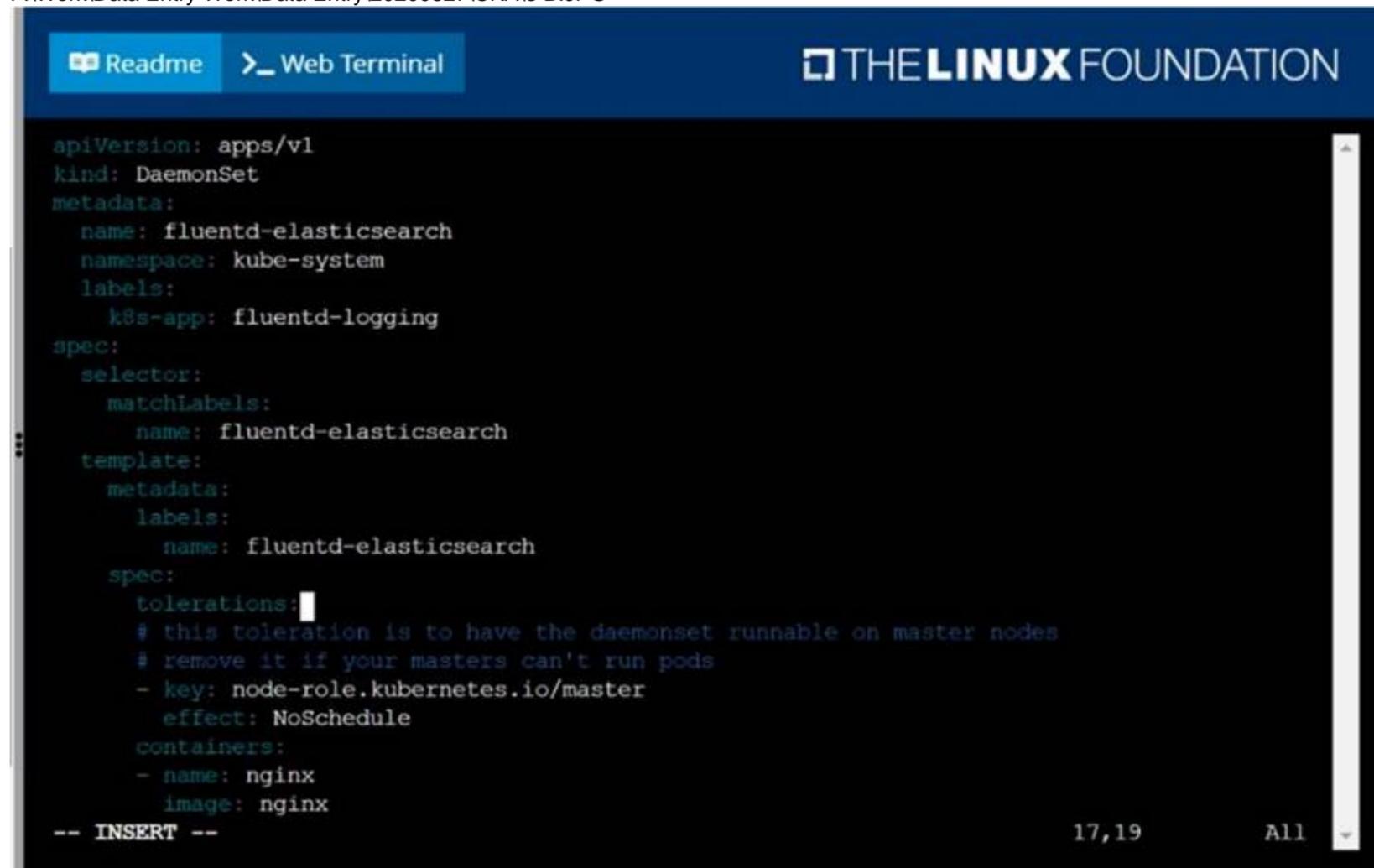
Answer: A**Explanation:**

solution



```
root@node-1:~# vim ds.yaml
i
```

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```
apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: fluentd-elasticsearch
  namespace: kube-system
  labels:
    k8s-app: fluentd-logging
spec:
  selector:
    matchLabels:
      name: fluentd-elasticsearch
  template:
    metadata:
      labels:
        name: fluentd-elasticsearch
    spec:
      tolerations:
        # this toleration is to have the daemonset runnable on master nodes
        # remove it if your masters can't run pods
        - key: node-role.kubernetes.io/master
          effect: NoSchedule
      containers:
        - name: nginx
          image: nginx
-- INSERT --
```

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```

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apiVersion: apps/v1
kind: DaemonSet
metadata:
  name: ds-kusc00201
spec:
  selector:
    matchLabels:
      name: fluentd-elasticsearch
  template:
    metadata:
      labels:
        name: fluentd-elasticsearch
    spec:
      containers:
      - name: nginx
        image: nginx
~
~
~
~
~
~
~
~
~
~
:wg

```

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```

Readme Web Terminal THE LINUX FOUNDATION
root@node-1:~# vim ds.yaml
iroot@node-1:~# k create -f ds.yaml
daemonset.apps/ds-kusc00201 created
root@node-1:~# k get ds
NAME           DESIRED  CURRENT  READY  UP-TO-DATE  AVAILABLE  NODE SELECTOR  AGE
ds-kusc00201   2        2        2      2           2          <none>         4s
root@node-1:~#

```

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NEW QUESTION 26

CORRECT TEXT

List the nginx pod with custom columns POD_NAME and POD_STATUS

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

kubect! get po -o=custom-columns="POD_NAME:.metadata.name, POD_STATUS:.status.containerStatuses[.state]"

NEW QUESTION 27

CORRECT TEXT

Get list of all pods in all namespaces and write it to file "/opt/pods-list.yaml"

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubectl get po --all-namespaces > /opt/pods-list.yaml
```

NEW QUESTION 29

CORRECT TEXT

Configure the kubelet systemd- managed service, on the node labelled with name=wk8s- node-1, to launch a pod containing a single container of Image httpd named webtool automatically. Any spec files required should be placed in the /etc/kubernetes/manifests directory on the node.

You can ssh to the appropriate node using:

```
[student@node-1] $ ssh wk8s-node-1
```

You can assume elevated privileges on the node with the following command:

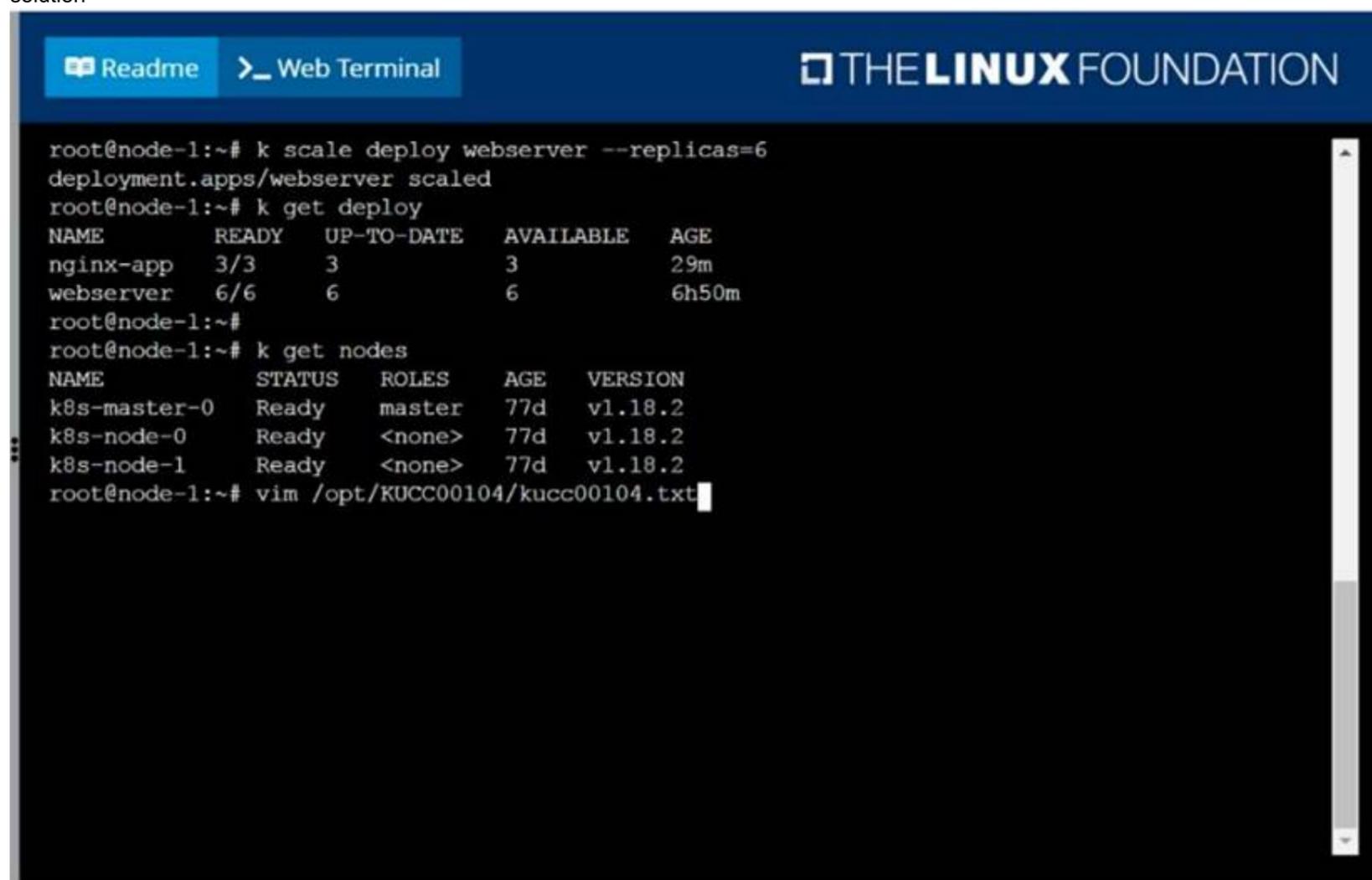
```
[student@wk8s-node-1] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

Answer: A

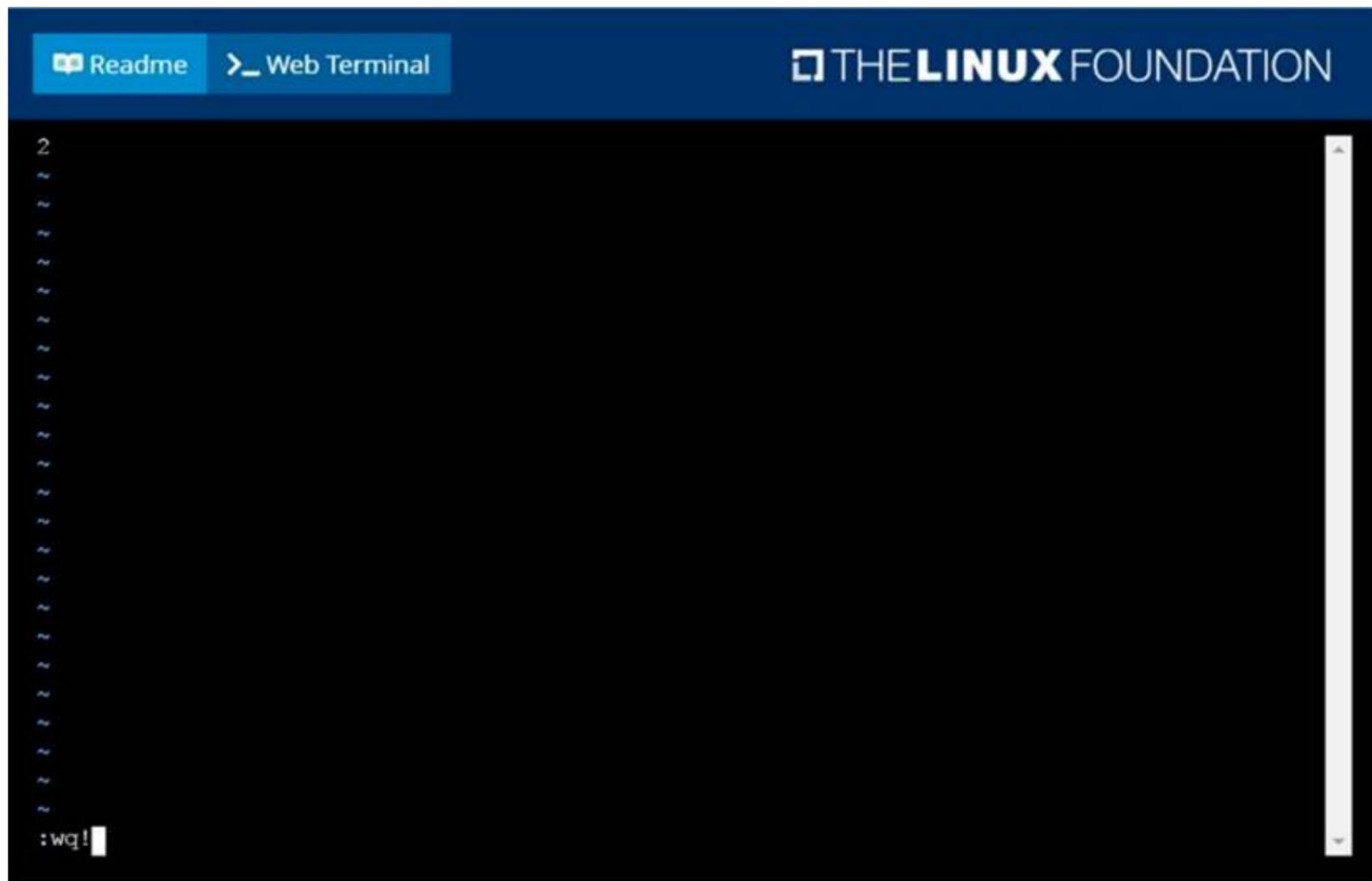
Explanation:

solution



```
root@node-1:~# k scale deploy webserver --replicas=6
deployment.apps/webserver scaled
root@node-1:~# k get deploy
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
nginx-app     3/3     3             3            29m
webserver     6/6     6             6            6h50m
root@node-1:~#
root@node-1:~# k get nodes
NAME           STATUS   ROLES    AGE   VERSION
k8s-master-0  Ready   master   77d   v1.18.2
k8s-node-0    Ready   <none>   77d   v1.18.2
k8s-node-1    Ready   <none>   77d   v1.18.2
root@node-1:~# vim /opt/KUCC00104/kucc00104.txt
```

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NEW QUESTION 32

CORRECT TEXT

A Kubernetes worker node, named wk8s-node-0 is in state NotReady. Investigate why this is the case, and perform any appropriate steps to bring the node to a Ready state, ensuring that any changes are made permanent.

You can ssh to the failed node using:

```
[student@node-1] $ | ssh Wk8s-node-0
```

You can assume elevated privileges on the node with the following command:

```
[student@w8ks-node-0] $ | sudo -i
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

```
Readme Web Terminal THE LINUX FOUNDATION

root@node-1:~# kubectl config use-context wk8s
Switched to context "wk8s".
root@node-1:~# k get nodes
NAME           STATUS    ROLES    AGE   VERSION
wk8s-master-0  Ready    master   77d   v1.18.2
wk8s-node-0    NotReady <none>   77d   v1.18.2
wk8s-node-1    Ready    <none>   77d   v1.18.2
root@node-1:~# ssh wk8s-node-0
```

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```
Readme Web Terminal THE LINUX FOUNDATION

wk8s-node-0    NotReady <none>   77d   v1.18.2
wk8s-node-1    Ready    <none>   77d   v1.18.2
root@node-1:~# ssh wk8s-node-0
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1109-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

 * Are you ready for Kubernetes 1.19? It's nearly here! Try RC3 with
   sudo snap install microk8s --channel=1.19/candidate --classic
   https://microk8s.io/ has docs and details.

4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@wk8s-node-0:~$ sudo -i
root@wk8s-node-0:~# systemctl restart kubelet
root@wk8s-node-0:~# systemctl enable kubelet
```

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```

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https://microk8s.io/ has docs and details.

4 packages can be updated.
1 update is a security update.

New release '18.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

student@wk8s-node-0:~$ sudo -i
root@wk8s-node-0:~# systemctl restart kubelet
root@wk8s-node-0:~# systemctl enable kubelet
Created symlink from /etc/systemd/system/multi-user.target.wants/kubelet.service to /lib/systemd/system/kubelet.service.
root@wk8s-node-0:~# exit
logout
student@wk8s-node-0:~$ exit
logout
Connection to 10.250.5.34 closed.
root@node-1:~# k get nodes
NAME             STATUS    ROLES    AGE   VERSION
wk8s-master-0   Ready    master   77d   v1.18.2
wk8s-node-0     Ready    <none>   77d   v1.18.2
wk8s-node-1     Ready    <none>   77d   v1.18.2
root@node-1:~#

```

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NEW QUESTION 37

CORRECT TEXT

List all persistent volumes sorted by capacity, saving the full kubectl output to /opt/KUCC00102/volume_list. Use kubectl's own functionality for sorting the output, and do not manipulate it any further.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

solution

```

Readme Web Terminal THE LINUX FOUNDATION

77d
pv0007 7Gi      RWO      Recycle   Available   slow
77d
pv0006 8Gi      RWO      Recycle   Available   slow
77d
pv0003 10Gi     RWO      Recycle   Available   slow
77d
pv0002 11Gi     RWO      Recycle   Available   slow
77d
pv0010 13Gi     RWO      Recycle   Available   slow
77d
pv0011 14Gi     RWO      Recycle   Available   slow
77d
pv0001 16Gi     RWO      Recycle   Available   slow
77d
pv0009 17Gi     RWO      Recycle   Available   slow
77d
pv0005 18Gi     RWO      Recycle   Available   slow
77d
pv0008 19Gi     RWO      Recycle   Available   slow
77d
pv0000 21Gi     RWO      Recycle   Available   slow
77d
root@node-1:~# k get pv --sort-by=.spec.capacity.storage > /opt/KUCC00102/volume_list
root@node-1:~#

```

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```
njerry191@cloudshell:~ (extreme-clone-265411) $ kubectl get pv
NAME      CAPACITY  ACCESS MODES  RECLAIM POLICY  STATUS  CLAIM      STORAGECLASS  REASON  AGE
pv        512m      RWX           Retain          Bound   default/pv  shared        16m
```

Image for post

Our status has now changed from available to bound.

* 5. Create a new pod named myapp with image nginx that will be used to Mount the Persistent Volume Claim with the path /var/app/config.

Mounting a Claim

```
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  name: app-data-spec
volumes:
- name: config-pvc
  persistentVolumeClaim:
    claimName: app-data
containers:
- image: nginx
  name: app
  volumeMounts:
- mountPath: "/srv/app-data"
  name: config-pvc
```

NEW QUESTION 44

CORRECT TEXT

Create a busybox pod that runs the command "env" and save the output to "envpod" file

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubectl run busybox --image=busybox --restart=Never --rm -it -- env > envpod.yaml
```

NEW QUESTION 48

CORRECT TEXT

List all the pods sorted by created timestamp

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubectl get pods --sort-by=.metadata.creationTimestamp
```

NEW QUESTION 53

CORRECT TEXT

Create a pod with environment variables as var1=value1. Check the environment variable in pod

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
kubectl run nginx --image=nginx --restart=Never --env=var1=value1
# then
kubectl exec -it nginx -- env
# or
kubectl exec -it nginx -- sh -c 'echo $var1'
# or
kubectl describe po nginx | grep value1
```

NEW QUESTION 54

CORRECT TEXT

Score: 4%



Task

Set the node named ek8s-node-1 as unavailable and reschedule all the pods running on it.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

SOLUTION:

```
[student@node-1] > ssh ek8s
kubectl cordon ek8s-node-1
kubectl drain ek8s-node-1 --delete-local-data --ignore-daemonsets --force
```

NEW QUESTION 59

.....

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