

# LPI

## Exam Questions 102-500

LPIC-1 Exam 102 - Part 2 of 2 - version 5.0



#### NEW QUESTION 1

- (Exam Topic 1)

What command displays all aliases defined in the current shell? (Specify the command without any path information)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

alias, alias -p

#### NEW QUESTION 2

- (Exam Topic 1)

After issuing:

```
function myfunction { echo $1 $2 ; }
```

in Bash, which output does:

```
myfunction A B C
```

Produce?

- A. A B
- B. A B C
- C. A C
- D. B C
- E. C B A

**Answer:** A

#### NEW QUESTION 3

- (Exam Topic 1)

Which of the following words is used to restrict the records that are returned from a SELECT query based on a supplied criteria for the values in the records?

- A. LIMIT
- B. FROM
- C. WHERE
- D. IF

**Answer:** C

#### NEW QUESTION 4

- (Exam Topic 1)

What output will the following command sequence produce? echo '1 2 3 4 5 6' | while read a b c; do

echo result: \$c \$b \$a; done

- A. result: 3 4 5 6 2 1
- B. result: 1 2 3 4 5 6
- C. result: 6 5 4
- D. result: 6 5 4 3 2 1
- E. result: 3 2 1

**Answer:** A

#### NEW QUESTION 5

- (Exam Topic 1)

What output will the command seq 10 produce?

- A. A continuous stream of numbers increasing in increments of 10 until stopped.
- B. The numbers 1 through 10 with one number per line.
- C. The numbers 0 through 9 with one number per line.
- D. The number 10 to standard output.

**Answer:** B

#### NEW QUESTION 6

- (Exam Topic 1)

What word is missing from the following SQL statement?

```
_____ count(*) from tablename;
```

(Please specify the missing word using lower-case letters only.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

select

#### NEW QUESTION 7

- (Exam Topic 1)

How can the existing environment variable FOOBAR be suppressed for the execution of the script./myscript only?

- A. unset -v FOOBAR;./myscript
- B. set -a FOOBAR="";./myscript
- C. env -u FOOBAR./myscript
- D. env -i FOOBAR./myscript

**Answer: C**

#### NEW QUESTION 8

- (Exam Topic 1)

What keyword is missing from this code sample of a shell script?

```
_____ i in *.txt; do  
echo $i  
done
```

- A. for
- B. loop
- C. until
- D. while

**Answer: A**

#### NEW QUESTION 9

- (Exam Topic 1)

Which directory in /etc is used to keep a sample copy of files and directories for when a new user has a home directory created? (Please provide the full path)

- A. Mastered
- B. Not Mastered

**Answer: A**

#### Explanation:

/etc/skel, /etc/skel/

#### NEW QUESTION 10

- (Exam Topic 1)

Which of the following commands puts the output of the command date into the shell variable mydate?

- A. mydate="\$(date)"
- B. mydate="exec date"
- C. mydate="\$((date))"
- D. mydate="date"
- E. mydate="{date}"

**Answer: A**

#### NEW QUESTION 10

- (Exam Topic 1)

Which command makes the shell variable named VARIABLE visible to subshells?

- A. export \$VARIABLE
- B. export VARIABLE
- C. set \$VARIABLE
- D. set VARIABLE
- E. env VARIABLE

**Answer: B**

#### NEW QUESTION 13

- (Exam Topic 1)

What benefit does an alias in bash provide?

- A. It provides faster lookups for commands in the system directory.
- B. It creates a local copy of a file from another directory.
- C. It hides what command you are running from others.
- D. It allows a string to be substituted for the first word of a simple command.

**Answer: D**

#### NEW QUESTION 14

- (Exam Topic 1)

By default, the contents of which directory will be copied to a new user's home directory when the account is created by passing the -m option to the useradd command? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/skel

#### NEW QUESTION 16

- (Exam Topic 1)

When the command echo \$\$ outputs 12942, what is the meaning of 12942?

- A. It is the process ID of the echo command.
- B. It is the process ID of the current shell.
- C. It is the process ID of the last command executed.
- D. It is the process ID of the last command which has been placed in the background.

**Answer:** B

#### NEW QUESTION 18

- (Exam Topic 2)

What is the purpose of a screen reader?

- A. It reads text displayed on the screen to blind or visually impaired people.
- B. It reads the parameters of the attached monitors and creates an appropriate X11 configuration.
- C. It displays lines and markers to help people use speed reading techniques.
- D. It manages and displays files that contain e-books.

**Answer:** A

#### NEW QUESTION 19

- (Exam Topic 2)

On a system running the KDE Display Manager, when is the /etc/kde4/kdm/Xreset script automatically executed?

- A. When KDM starts
- B. When a user's X session exits
- C. When KDM crashes
- D. When X is restarted
- E. When X crashes

**Answer:** B

#### NEW QUESTION 20

- (Exam Topic 2)

X is running okay but you're concerned that you may not have the right color depth set. What single command will show you the running color depth while in X?

- A. xcd
- B. xcdepth
- C. xwininfo
- D. xcolordepth
- E. cat /etc/X11

**Answer:** C

#### NEW QUESTION 21

- (Exam Topic 2)

For accessibility assistance, which of the following programs is an on-screen keyboard?

- A. xkb
- B. atkb
- C. GOK
- D. xOSK

**Answer:** C

#### NEW QUESTION 25

- (Exam Topic 2)

What is the name of the simple graphical login manager that comes with a vanilla X11 installation? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:**

A

**Explanation:**

xdm

**NEW QUESTION 29**

- (Exam Topic 2)

Which file used by XDM specifies the default wallpaper?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/xdm.conf
- C. /etc/X11/xdm/Defaults
- D. /etc/X11/defaults.conf

**Answer:** A

**NEW QUESTION 31**

- (Exam Topic 2)

Which of the following are tasks handled by a display manager like XDM or KDM? (Choose TWO correct answers.)

- A. Start and prepare the desktop environment for the user.
- B. Configure additional devices like new monitors or projectors when they are attached.
- C. Handle the login of a user.
- D. Lock the screen when the user was inactive for a configurable amount of time.
- E. Create an X11 configuration file for the current graphic devices and monitors.

**Answer:** AC

**NEW QUESTION 32**

- (Exam Topic 3)

Which of the following fields can be found in the /etc/group file? (Choose THREE correct answers.)

- A. The list of users that belong to the group.
- B. The home directory of the group.
- C. The name of the group.
- D. The description of the group.
- E. The password of the group.

**Answer:** ACE

**NEW QUESTION 34**

- (Exam Topic 3)

Which of the following commands can be used to convert text files in one character encoding to another character encoding?

- A. cat
- B. convert
- C. dd
- D. iconv
- E. utf2utf

**Answer:** D

**NEW QUESTION 37**

- (Exam Topic 3)

What command will display the group names and GIDs to which a user belongs? (Provide only the command name with or without path information)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

id, /usr/bin/id

**NEW QUESTION 39**

- (Exam Topic 3)

What is true regarding the command `userdel --force --remove bob`? (Choose TWO correct answers.)

- A. The user bob is removed from the system's user database.
- B. The user bob's home directory is removed.
- C. The locate database is updated to drop files owned by bob.
- D. All files owned by bob are removed from all mounted filesystems.
- E. In case bob was the last member of a group, that group is deleted.

**Answer:** AB

#### NEW QUESTION 44

- (Exam Topic 3)

A French user has installed the French language pack, but currencies are still being displayed with a leading '\$' sign in his spreadsheets. What must be done to fix this?

- A. Alter the locale.
- B. Set the timezone correctly.
- C. Edit /etc/currency.
- D. Reinstall the French language pack.

**Answer:** A

#### NEW QUESTION 48

- (Exam Topic 3)

Which of the following commands should be added to /etc/bash\_profile in order to change the language of messages for an internationalized program to Portuguese (pt)?

- A. export LANGUAGE="pt"
- B. export MESSAGE="pt"
- C. export UI\_MESSAGES="pt"
- D. export LC\_MESSAGES="pt"
- E. export ALL\_MESSAGES="pt"

**Answer:** D

#### NEW QUESTION 53

- (Exam Topic 3)

What is NOT contained in the locale setting of the operating system?

- A. currency symbol
- B. language
- C. timezone
- D. thousands separator

**Answer:** C

#### NEW QUESTION 56

- (Exam Topic 3)

Which of the following commands can remove a user from a group?

- A. grouprm
- B. groupmod
- C. passwd
- D. usergroups
- E. usermod

**Answer:** E

#### NEW QUESTION 60

- (Exam Topic 4)

To exclude all log messages of a given logging facility, you should use a logging priority of \_\_\_\_\_.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

none

#### NEW QUESTION 64

- (Exam Topic 4)

Why is the correct configuration of a system's time zone important?

- A. Because the conversion of Unix timestamps to local time relies on the time zone configuration.
- B. Because the time zone is saved as part of the modification times of files and cannot be changed after a file is created.
- C. Because the environment variables LANG and LC\_MESSAGES are, by default, set according to the time zone.
- D. Because NTP chooses servers nearby based on the configured time zone.

**Answer:** A

#### NEW QUESTION 68

- (Exam Topic 4)

You need to pause the CUPS printer HPLaserjet4, and you want to cancel all print jobs with a message, "hello". Which command will do this?

- A. cupsreject -c -r hello HPLaserjet4

- B. cupsreject -p -m hello HPLaserjet4
- C. cupsdisable -c -r hello HPLaserjet4
- D. cupsdisable -p -m hello HPLaserjet4

**Answer:** C

#### NEW QUESTION 69

- (Exam Topic 4)

After adding a new email alias to the configuration, which command must be run in order to ensure the MTA knows about it? (Specify the command without any path but including all required parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

newaliases, sendmail -bi

#### NEW QUESTION 70

- (Exam Topic 4)

Please specify the top directory containing the configuration files for the CUPS printing system. (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/etc/cups, /etc/cups/

#### NEW QUESTION 74

- (Exam Topic 4)

Which option in the /etc/ntp.conf file specifies an external NTP source to be queried for time information? (Specify ONLY the option without any values or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

server

#### NEW QUESTION 78

- (Exam Topic 4)

What is true about the ntpdate command?

- A. It is the primary management command for the NTP time server.
- B. It updates the local system's date (i. day, month and year) but not the time (i. hours, minutes, seconds).
- C. day, month and year) but not the time (i. hours, minutes, seconds).
- D. hours, minutes, seconds).
- E. It queries one or more NTP time servers and adjusts the system time accordingly.
- F. It sends the local system time to one or many remote NTP time servers for redistribution.
- G. It can be used by any user to set the user clock independently of the system clock.

**Answer:** C

#### NEW QUESTION 83

- (Exam Topic 5)

Which of the following may occur as a consequence of using the command ifconfig? (Choose THREE correct answers.)

- A. New name servers may be added to the resolver configuration.
- B. Network interfaces may become active or inactive.
- C. The routing table may change.
- D. IP addresses may change.
- E. The system's host name may change.

**Answer:** BCD

#### NEW QUESTION 85

- (Exam Topic 5)

Which of the following details is NOT provided in any output from the netstat utility?

- A. broadcast services
- B. interface statistics

- C. masquerading connections
- D. network connections
- E. routing tables

**Answer:** A

**NEW QUESTION 89**

- (Exam Topic 5)

How many IP-addresses can be used for unique hosts inside the IPv4 subnet 192.168.2.128/28? (Specify the number only without any additional information.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

14

**NEW QUESTION 94**

- (Exam Topic 5)

What is the command to delete the default gateway from the system IP routing table? (Choose TWO correct answers.)

- A. route del default
- B. ifconfig unset default
- C. netstat -r default
- D. ip route del default
- E. sysctl ipv4.default\_gw=0

**Answer:** AD

**NEW QUESTION 95**

- (Exam Topic 5)

Which of the following tools used for DNS debugging, reports not only the response from the name server but also details about the query?

- A. dnsq
- B. dig
- C. hostname
- D. dnslookup
- E. zoneinfo

**Answer:** B

**NEW QUESTION 96**

- (Exam Topic 5)

Which of the following IPv4 networks are reserved by IANA for private address assignment and private routing? (Choose THREE correct answers.)

- A. 127.0.0.0/8
- B. 10.0.0.0/8
- C. 169.255.0.0/16
- D. 172.16.0.0/12
- E. 192.168.0.0/16

**Answer:** BDE

**NEW QUESTION 98**

- (Exam Topic 5)

Which keyword must be listed in the hosts option of the Name Service Switch configuration file in order to make host lookups consult the /etc/hosts file?

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

files

**NEW QUESTION 103**

- (Exam Topic 5)

Which of the following commands will help identify a broken router between the local and the remote machine?

- A. ps
- B. netstat
- C. nslookup
- D. ifconfig
- E. traceroute

Answer: E

**NEW QUESTION 107**

- (Exam Topic 5)

Which of the following programs can be used to determine the routing path to a given destination?

- A. dig
- B. netstat
- C. ping
- D. route
- E. traceroute

Answer: E

**NEW QUESTION 112**

- (Exam Topic 5)

What is the purpose of the nsswitch.conf file?

- A. It is used to configure where the C library looks for system information such as host names and user passwords.
- B. It is used to configure network protocol port numbers such as for HTTP or SMTP.
- C. It is used to configure LDAP authentication services for the local system.
- D. It is used to configure which network services will be turned on during the next system boot.

Answer: A

**NEW QUESTION 113**

- (Exam Topic 5)

What is true regarding TCP port 23?

- A. Port 23 is the well known port for the telnet service which is a plain text protocol that should no longer be used.
- B. Port 23 is the well known port for the SSH service which provides secure logins.
- C. Port 23 is the well known port for the rlogin service which is SSL secured by default.
- D. Port 23 is the well known port for the system login services which are encrypted when the user runs the starttls command in his login shell.

Answer: A

**NEW QUESTION 115**

- (Exam Topic 5)

Which port is the default server port for the HTTPS protocol? (Specify the port number using digits.)

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

443

**NEW QUESTION 120**

- (Exam Topic 6)

Which file lists which users can execute commands using sudo? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

/etc/sudoers

**NEW QUESTION 124**

- (Exam Topic 6)

In an xinetd configuration file, which attribute specifies the network address that will be used to provide the service?

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

bind, interface

**NEW QUESTION 126**

- (Exam Topic 6)

What is a purpose of an SSH host key?

- A. It must be sent by any SSH client in addition to a user key in order to identify the client's host.
- B. It provides the server's identity information to connecting SSH clients.
- C. It is the root key by which all user SSH keys must be signed.
- D. It authenticates any user that logs into a remote machine from the key's host.
- E. It is used by system services like cron, syslog or a backup job to automatically connect to remote hosts.

**Answer: B**

#### **NEW QUESTION 128**

- (Exam Topic 6)

Which command is used to set restrictions on the size of a core file that is created for a user when a program crashes?

- A. core
- B. edquota
- C. ulimit
- D. quota

**Answer: C**

#### **NEW QUESTION 130**

- (Exam Topic 6)

When trying to unmount a device it is reported as being busy. Which of the following commands could be used to determine which process is causing this?

- A. debug
- B. lsof
- C. nessus
- D. strace
- E. traceroute

**Answer: B**

#### **NEW QUESTION 134**

- (Exam Topic 6)

Which of the following find commands will print out a list of files owned by root and with the SUID bit set in /usr?

- A. find /usr -uid 0 -perm +4000
- B. find -user root +mode +s /usr
- C. find -type suid -username root -d /usr
- D. find /usr -ls \\*s\\* -u root
- E. find /usr -suid -perm +4000

**Answer: A**

#### **NEW QUESTION 138**

- (Exam Topic 6)

Which of the following commands connects to the remote host example.com which has OpenSSH listening on TCP port 2222? (Choose TWO correct answers.)

- A. ssh --port 2222 example.com
- B. ssh -p 2222 example.com
- C. ssh -o Port=2222 example.com
- D. ssh -o GatewayPort=2222 example.com
- E. ssh example.com:2222

**Answer: BC**

#### **NEW QUESTION 140**

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