

## Exam Questions 102-500

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

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#### NEW QUESTION 1

- (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 2

- (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 3

- (Exam Topic 1)

Which of the following commands lists all defined variables and functions within Bash?

- A. env
- B. set
- C. env -a
- D. echo \$ENV

**Answer:** B

#### NEW QUESTION 4

- (Exam Topic 1)

Which of the following is the best way to list all defined shell variables?

- A. env
- B. set
- C. env -a
- D. echo \$ENV

**Answer:** B

#### 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)

Which of the following SQL statements will select the fields name and address from the contacts table?

- A. SELECT (name, address) FROM contacts;
- B. SELECT (name address) FROM contacts;
- C. SELECT name, address FROM contacts;
- D. SELECT name address FROM contacts;

**Answer:** C

#### NEW QUESTION 8

- (Exam Topic 1)

Which of the following files, when existing, affect the behavior of the Bash shell? (Choose TWO correct answers.)

- A. ~/.bashconf
- B. ~/.bashrc
- C. ~/.bashdefaults
- D. ~/.bash\_etc
- E. ~/.bash\_profile

**Answer:** BE

#### NEW QUESTION 9

- (Exam Topic 1)

You are looking into a new script you received from your senior administrator. In the very first line you notice a #! followed by a file path. This indicates that:

- A. The file at that location was used to make the script.
- B. This script provides identical functionality as the file at that location.
- C. This script will self-extract into a file at that location.
- D. The program at that location will be used to process the script.

**Answer:** D

#### NEW QUESTION 10

- (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)

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 12

- (Exam Topic 1)

Which of the following are requirements in order to run a shell script like a regular command from anywhere in the filesystem? (Choose THREE correct answers.)

- A. The user issuing the command must be in the group script.
- B. The script file must be found in the \$PATH.
- C. The script file must have the executable permission bit set.
- D. The script must begin with a shebang-line (#!) that points to the correct interpreter.
- E. The file system on which the script resides must be mounted with the option scripts.

**Answer:** BCD

#### NEW QUESTION 14

- (Exam Topic 1)

What is the purpose of the file /etc/profile?

- A. It contains the welcome message that is displayed after login.
- B. It contains security profiles defining which users are allowed to log in.
- C. It contains environment variables that are set when a user logs in.
- D. It contains default application profiles for users that run an application for the first time.

**Answer:** C

#### NEW QUESTION 15

- (Exam Topic 1)

Which of the following configuration files should be modified to set default shell variables for all users?

- A. /etc/bashrc
- B. /etc/profile
- C. ~/.bash\_profile
- D. /etc/.bashrc

**Answer:** B

#### NEW QUESTION 16

- (Exam Topic 2)

What is the purpose of the Sticky Keys feature in X?

- A. To assist users who have difficulty holding down multiple keys at once
- B. To prevent repeated input of a single character if the key is held down
- C. To ignore brief keystrokes according to a specified time limit
- D. To repeat the input of a single character

**Answer:** A

#### NEW QUESTION 19

- (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 21

- (Exam Topic 2)

Your senior administrator asked you to change the default background of his machine, which uses XDM. Which file would you edit to achieve this?

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

**Answer:** A

#### NEW QUESTION 24

- (Exam Topic 2)

Which of the following commands shows the current color depth of the X Server?

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

**Answer:** C

#### NEW QUESTION 26

- (Exam Topic 2)

Which of the following lines is an example of a correct setting for the DISPLAY environment variable?

- A. hostname:displayname
- B. hostname:displaynumber
- C. hostname/displayname
- D. hostname/displaynumber
- E. hostname

**Answer:** B

#### NEW QUESTION 27

- (Exam Topic 2)

Which command can be used to investigate the properties for a particular window in X by clicking that window? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/usr/bin/xwininfo, xwininfo

#### NEW QUESTION 32

- (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 36

- (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 39

- (Exam Topic 3)

Which of the following fields are available in both the global /etc/crontab file as well as in user-specific crontab files? (Select TWO correct answers)

- A. Year
- B. Minute
- C. Username
- D. Command

**Answer:** BD

#### NEW QUESTION 44

- (Exam Topic 3)

In case neither cron.allow nor cron.deny exist in /etc/, which of the following is true?

- A. Without additional configuration, no users may have user specific crontabs.
- B. Without additional configuration, all users may have user specific crontabs.
- C. The cron daemon will refuse to start and report missing files in the system's logfile.
- D. When a user creates a user specific crontab the system administrator must approve it explicitly.

**Answer:** A

#### NEW QUESTION 46

- (Exam Topic 3)

Which file specifies the user accounts that can NOT submit jobs via at or batch? (Provide the full path and filename)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/at.deny

#### NEW QUESTION 50

- (Exam Topic 3)

Which of the following crontab entries will execute myscrip at 30 minutes past every hour on Sundays?

- A. 0 \* \* \* 30 myscrip
- B. 30 \* \* \* 6 myscrip
- C. 30 0 \* \* 0 myscrip
- D. 30 0-23 \* \* 0 myscrip
- E. 0 0-23 \* \* 30 myscrip

**Answer:** D

#### NEW QUESTION 55

- (Exam Topic 3)

In which file, if present, must all users be listed that are allowed to use the cron scheduling system? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/etc/cron.allow

#### NEW QUESTION 57

- (Exam Topic 3)

Of the ways listed, which is the best way to temporarily suspend a single user's ability to interactively login?

- A. Add the user name to /etc/nologin.
- B. Change the user's password.
- C. Change the user name in /etc/passwd.
- D. Use change to expire the user account.
- E. Place the command logout in the user's profile.

**Answer:** D

#### NEW QUESTION 62

- (Exam Topic 3)

Which command is used to add an empty group to the system? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

groupadd, /usr/sbin/groupadd

#### NEW QUESTION 65

- (Exam Topic 3)

Which character in the password field of /etc/passwd is used to indicate that the encrypted password is stored in /etc/shadow?

- A. \*
- B. -
- C. s
- D. x

**Answer:** D

#### NEW QUESTION 69

- (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 73

- (Exam Topic 3)

Where are user specific crontabs stored?

- A. In the database file /etc/crontab.db which is shared by all users.
- B. As individual per-user files within /var/spool/cron.
- C. As individual per-user files in /etc/cron.user.d.
- D. In the .crontab file in the user's home directory.
- E. In the file /var/cron/user-crontab which is shared by all users.

**Answer:** B

#### NEW QUESTION 78

- (Exam Topic 3)

Which command can be used to delete a group from a Linux system?

- A. groupdel
- B. groupmod
- C. groups
- D. groupedit

**Answer:** A

#### NEW QUESTION 79

- (Exam Topic 3)

Why is /etc/shadow not world readable if the passwords are stored in an encrypted fashion?

- A. The encrypted passwords are still subject to brute force attacks.
- B. This is just for historical reasons.
- C. There is other information in the file that needs to be kept secret.
- D. The passwords can be decrypted by anyone with root access.

**Answer:** A

#### NEW QUESTION 82

- (Exam Topic 3)

Which of the following files assigns a user to its primary group?

- A. /etc/pgroup
- B. /etc/shadow
- C. /etc/group
- D. /etc/passwd
- E. /etc/gshadow

**Answer:** D

#### NEW QUESTION 84

- (Exam Topic 3)

Which file contains the date of the last change of a user's password?

- A. /etc/gshadow
- B. /etc/passwd
- C. /etc/pwdlog
- D. /etc/shadow
- E. /var/log/shadow

**Answer:** D

#### NEW QUESTION 87

- (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 91

- (Exam Topic 3)

How is the file format of /etc/crontab different from a normal crontab file? (Select TWO correct answers)

- A. The /etc/crontab file can specify a year field.
- B. A normal crontab file must be installed with the crontab command.
- C. A normal crontab file allows for environment variable substitution.
- D. The /etc/crontab file has a user field for commands.

**Answer:** BD

#### NEW QUESTION 94

- (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 99

- (Exam Topic 3)

Which commands can you use to change a user's account aging information? (Choose THREE correct answers.)

- A. usermod
- B. passwd
- C. chattr
- D. chage
- E. chsh

**Answer:** ABD

#### NEW QUESTION 101

- (Exam Topic 3)

Which crontab entry could be used to set the system time at regular intervals?

- A. 1 0 \* \* \* date \$d \$t \$24
- B. 1 0 \* \* \* ntpdate ntp1.digex.net
- C. 1 0 \* \* \* date ntp1.digex.net
- D. 1 0 \* \* \* runcron date ntp1.digex.net
- E. 1 0 \* \* \* settime \$d \$t \$24

**Answer:** B

#### NEW QUESTION 106

- (Exam Topic 3)

To prevent a specific user from scheduling tasks with at, what should the administrator do?

- A. Add the specific user to /etc/at.allow file.
- B. Add the specific user to [deny] section in the /etc/atd.conf file.
- C. Add the specific user to /etc/at.deny file.
- D. Add the specific user to nojobs group.
- E. Run the following: atd --deny [user].

**Answer:** C

#### NEW QUESTION 109

- (Exam Topic 4)

Which of the following are commonly used Mail Transfer Agent (MTA) applications? (Choose THREE correct answers.)

- A. Postfix
- B. Procmail
- C. Sendmail
- D. Exim
- E. SMTPd

**Answer:** ACD

#### NEW QUESTION 110

- (Exam Topic 4)

Which of the following is observed and corrected by a NTP client?

- A. The skew in time between the system clock and the hardware clock.
- B. The skew in time between the system clock and the reference clock.
- C. Changes in the time zone of the current computer's location.
- D. Adjustments needed to support Daylight Saving Time.

**Answer:** B

#### NEW QUESTION 111

- (Exam Topic 4)

Which of the following tasks can be accomplished using the command date? (Choose TWO correct answers.)

- A. Synchronize the hardware and system clocks.
- B. Output date and time in different formats.
- C. Set the system clock.
- D. Set the hardware clock.
- E. Update the time via NTP.

**Answer:** BC

#### NEW QUESTION 112

- (Exam Topic 4)

What is the purpose of the command mailq?

- A. It fetches new emails from a remote server using POP3 or IMAP.



- B. It is a multi-user mailing list manager.
- C. It is a proprietary tool contained only in the qmail MTA.
- D. It queries the mail queue of the local MTA.
- E. It is a command-line based tool for reading and writing emails.

**Answer:** D

#### NEW QUESTION 114

- (Exam Topic 4)

Which of the following commands is used to rotate, compress, and mail system logs?

- A. rotatelog
- B. striplog
- C. syslogd --rotate
- D. logrotate
- E. logger

**Answer:** D

#### NEW QUESTION 116

- (Exam Topic 4)

What command should be used to print a listing of email in the system's mail queue?

- A. lpq
- B. mailq
- C. mlq
- D. sendmail -l

**Answer:** B

#### NEW QUESTION 121

- (Exam Topic 4)

What is true regarding the command sendmail?

- A. With any MTA, the sendmail command must be run periodically by the cron daemon.
- B. All MTAs, including Postfix and Exim, provide a sendmail command.
- C. The sendmail command prints the MTAs queue history of which mails have been sent successfully.
- D. It is only available when the sendmail MTA is installed.

**Answer:** B

#### NEW QUESTION 126

- (Exam Topic 4)

Which command is used to sync the hardware clock to the system clock? (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

hwclock, /sbin/hwclock, /usr/sbin/hwclock

#### NEW QUESTION 130

- (Exam Topic 4)

Which file inside the CUPS configuration directory contains the definition of the printers?

- A. cups-devices.conf
- B. snmp.conf
- C. printcap.conf
- D. printers.conf
- E. cupsd.conf

**Answer:** D

#### NEW QUESTION 132

- (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 136

- (Exam Topic 4)

What is true regarding the file ~/.forward?

- A. As it is owned by the MTA and not writable by the user, it must be edited using the editaliases command.
- B. After editing ~/.forward the user must run newaliases to make the mail server aware of the changes.
- C. Using ~/.forward, root may configure any email address whereas all other users may configure only their own addresses.
- D. When configured correctly, ~/.forward can be used to forward each incoming mail to more than one other recipient.

**Answer:** D

#### NEW QUESTION 140

- (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 142

- (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 145

- (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 146

- (Exam Topic 5)

Which of the following is true about IPv6?

- A. With IPv6, the TCP port numbers of most services have changed.
- B. IPv6 no longer supports broadcast addresses.
- C. IPv4 addresses can be used without any change with IPv6.
- D. IPv6 no longer supports multicast addresses.
- E. For IPv6, UDP and TCP have been replaced by the Rapid Transmission Protocol RTP.

**Answer:** B

#### NEW QUESTION 147

- (Exam Topic 5)

Which parameter must be passed to ifconfig to activate a previously inactive network interface? (Specify the parameter only without any command, path or additional options)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

up

#### NEW QUESTION 149

- (Exam Topic 5)

On a regular users workstation the route command takes a long time before printing out the routing table. Which of the following errors does that indicate?

- A. The local routing information may be corrupted and must be re-validated using a routing protocol.
- B. One of the routers in the routing table is not available which causes the automatic router failure detection mechanism (ARF-D) to wait for a timeout.
- C. There may accidentally be more than one default router in which case a default router election has to be done on the network in order to choose one router as the default.
- D. DNS resolution may not be working as route by default tries to resolve names of routers and destinations and may run into a timeout.

**Answer:** D

#### NEW QUESTION 153

- (Exam Topic 5)

Which of the following keywords can be used in the file /etc/nsswitch.conf to specify a source for host name lookups? (Choose TWO correct answers.)

- A. resolv
- B. dns
- C. remote
- D. files
- E. hosts

**Answer:** BD

#### NEW QUESTION 156

- (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 159

- (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 162

- (Exam Topic 6)

Which of the following programs uses the hosts.allow file to perform its main task of checking for access control restrictions to system services?

- A. tcpd
- B. inetd
- C. fingerd
- D. mountd
- E. xinetd

**Answer:** A

#### NEW QUESTION 163

- (Exam Topic 6)

What argument to the -type option of find will match files that are symbolic links? (Specify only the argument and no other options or words.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

I

#### NEW QUESTION 164

- (Exam Topic 6)

With X11 forwarding in ssh, what environment variable is automatically set in the remote host shell that is not set when X11 forwarding is not enabled? (Specify only the environment variable without any additional commands or values.)

- A. Mastered
- B. Not Mastered

**Answer:**

A

**Explanation:**

DISPLAY, \$DISPLAY

**NEW QUESTION 167**

- (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 172**

- (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 176**

- (Exam Topic 6)

Which directory holds the files that configure the xinetd service when using several configuration files instead of an integrated configuration file? (Specify the full path to the directory.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/xinetd.d/, /etc/xinetd.d

**NEW QUESTION 180**

- (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 183**

- (Exam Topic 6)

Which of the following commands can be used to limit the amount of memory a user may use?

- A. umask
- B. usermod
- C. ulimit
- D. passwd
- E. chage

**Answer:** C

**NEW QUESTION 187**

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