

## 102-500 Dumps

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

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**NEW QUESTION 1**

- (Exam Topic 1)

What word is missing from the following SQL statement?

insert into tablename \_\_\_\_\_ (909, 'text');

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

VALUES, values

**NEW QUESTION 2**

- (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 3**

- (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 4**

- (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 5**

- (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 6**

- (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 7**

- (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 8

- (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 9

- (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 10

- (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 10

- (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 12

- (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 13

- (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 16

- (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 19

- (Exam Topic 2)

How is a display manager started?

- A. It is started by a user using the command startx.
- B. It is started like any other system service by the init system.
- C. It is started by inetd when a remote hosts connects to the X11 port.
- D. It is started automatically when a X11 user logs in to the system console.

**Answer:** B

#### NEW QUESTION 22

- (Exam Topic 3)

A user was not given permission to use the CRON scheduling system. What file needs to be modified to provide that access? (Please specify the full path to the file)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/cron.allow

#### NEW QUESTION 25

- (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 29

- (Exam Topic 3)

On a system using shadowed passwords, the most correct permissions for /etc/passwd are \_\_\_\_\_ and the most correct permissions for /etc/shadow are \_\_\_\_.

- A. -rw-r-----, -r-----
- B. -rw-r--r--, -r--r--r--
- C. -rw-r--r--, -r-----
- D. -rw-r--rw-, -r-----r--
- E. -rw-----, -r-----

**Answer:** C

#### NEW QUESTION 30

- (Exam Topic 3)

Which command should be added to /etc/bash\_profile to change the language of messages from an internationalised program to Portuguese (pt)? (Select TWO correct answers)

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

**Answer:** CD

#### NEW QUESTION 32

- (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 34

- (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 35

- (Exam Topic 3)

Each entry in a crontab must end with what character?

- A. Tab
- B. Space
- C. Backslash
- D. Newline

**Answer:** D

#### NEW QUESTION 38

- (Exam Topic 3)

The system's timezone may be set by linking /etc/localtime to an appropriate file in which directory? (Provide the full path to the directory, without any country information)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

/usr/share/zoneinfo/

#### NEW QUESTION 40

- (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 43

- (Exam Topic 3)

What is the purpose of the iconv command?

- A. It converts bitmap images from one format to another such as PNG to JPEG.
- B. It verifies that the root directory tree complies to all conventions from the Filesystem Hierarchy Standard (FHS).
- C. It displays additional meta information from icon files ending in .ico.
- D. It changes the mode of an inode in the ext4 file system.
- E. It converts files from one character encoding to another.

**Answer:** E

#### NEW QUESTION 47

- (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 52**

- (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 56**

- (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 60**

- (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 64**

- (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 68**

- (Exam Topic 4)

What entry can be added to the syslog.conf file to have all syslog messages generated by a system displayed on console 12?

- A. \*.\* /dev/tty12
- B. /var/log/messages | /dev/tty12
- C. | /dev/tty12
- D. syslog tty12
- E. mail.\* /dev/tty12

**Answer:** A

**NEW QUESTION 71**

- (Exam Topic 4)

What entry can you add to syslog.conf file to have all syslog messages generated by your system go to virtual console 12?

- A. \*.\* /dev/tty12
- B. /var/log/messages | /dev/tty12
- C. | /dev/tty12
- D. syslog tty12
- E. mail.\* /dev/tty12

**Answer:** A

**NEW QUESTION 76**

- (Exam Topic 5)

Given the following routing table:

Kernel IP routing table						
Destination	Gateway	Genmask	Flags	Metric	Ref	Use Iface
0.0.0.0	192.168.178.1	0.0.0.0	UG	0	0	0 wlan0
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0 eth0
192.168.2.0	192.168.1.1	255.255.255.0	U	0	0	0 eth0
192.168.178.0	0.0.0.0	255.255.255.0	U	9	0	0 wlan0

How would an outgoing packet to the destination 192.168.2.150 be handled?

- A. It would be passed to the default router 192.168.178.1 on wlan0.
- B. It would be directly transmitted on the device eth0.
- C. It would be passed to the default router 255.255.255.0 on eth0.
- D. It would be directly transmitted on the device wlan0.
- E. It would be passed to the router 192.168.1.1 on eth0.

**Answer:** E

#### NEW QUESTION 80

- (Exam Topic 5)

Which command, depending on its options, can display the open network connections, the routing tables, as well as network interface statistics. (Specify ONLY the command without any path or parameters.)

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

netstat, /bin/netstat, ss, /usr/bin/ss

#### NEW QUESTION 83

- (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 84

- (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 88

- (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 89

- (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 90**

- (Exam Topic 5)

Which of the following commands can be used to display the local routing table? (Choose TWO correct answers.)

- A. ifconfig
- B. dig
- C. netstat
- D. route
- E. trackroute

**Answer:** CD

**NEW QUESTION 93**

- (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 97**

- (Exam Topic 6)

Which configuration file would be edited to change the default options for outbound SSH sessions?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/client
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_client

**Answer:** D

**NEW QUESTION 99**

- (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 101**

- (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 103**

- (Exam Topic 6)

On a Linux system with shadow passwords enabled, which file in the file system contains the password hashes of all local users? (Specify the full name of the file, including path.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

/etc/shadow

**NEW QUESTION 107**

- (Exam Topic 6)

The presence of what file will temporarily prevent all users except root from logging into the system? (Specify the full name of the file, including path.)



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
/etc/nologin

#### NEW QUESTION 108

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