

## 102-500 Dumps

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

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**NEW QUESTION 1**

- (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 2**

- (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 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)

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 5**

- (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 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 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 8

- (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 9

- (Exam Topic 3)

The correct crontab entry to execute the script chklog three times per month between 3 p.m. and 5 p.m.:

- A. \* 3,4,5 1 \* \* chklog
- B. 3 3,4,5 1 \* \* chklog
- C. 3 15,16,17 \* \* \* chklog
- D. 0 15,16,17 1 \* \* chklog
- E. \* 15,16,17 1 \* \* chklog

**Answer:** D

#### NEW QUESTION 10

- (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 10

- (Exam Topic 3)

Which of the following can the chage command NOT change?

- A. The number of days since January 1, 1970 after which the user's account will no longer be accessible.
- B. The number of days since January 1, 1970 after which the password can change.
- C. The number of days since January 1, 1970 since the password was last changed.
- D. The maximum number of days during which a password is valid.
- E. The number of days of inactivity after a password has expired before the account is locked.

**Answer:** B

#### NEW QUESTION 11

- (Exam Topic 3)

What is true about the file /etc/localtime?

- A. It is a plain text file containing a string such as Europe/Berlin.
- B. It is created and maintained by the NTP service based on the geolocation of the system's IP address.
- C. It is a symlink to /sys/device/clock/ltime and always contains the current local time.
- D. It is either a symlink to or a copy of a timezone information file such as /usr/share/zoneinfo/Europe/Berlin.

**Answer:** D

#### NEW QUESTION 12

- (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 17**

- (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 22**

- (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 23**

- (Exam Topic 3)

Which of the following steps prevents a user from obtaining an interactive login session?

- A. Run the command chsh -s /bin/false with the user name.
- B. Set the UID for the user to 0.
- C. Remove the user from the group staff.
- D. Add the user to /etc/noaccess.
- E. Create a .nologin file in the user's home directory.

**Answer:** A

**NEW QUESTION 28**

- (Exam Topic 4)

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

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

**Answer:** ACD

**NEW QUESTION 32**

- (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 34**

- (Exam Topic 4)

Which of the following are syslog facilities? (Choose TWO correct answers.)

- A. local7
- B. mail
- C. advanced
- D. postmaster
- E. remote

**Answer:** AB

**NEW QUESTION 36**

- (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 37**

- (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 40**

- (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 42**

- (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 44**

- (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 45**

- (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 50**

- (Exam Topic 4)

What command can be used to generate syslog entries of any facility and priority? (supply just the command name without a path)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
logger

**NEW QUESTION 55**

- (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 59**

- (Exam Topic 4)

Which file, when using Sendmail or a similar MTA system, will allow a user to redirect all their mail to another address and is configurable by the user themselves?

- A. `/etc/alias`
- B. `~/.alias`
- C. `/etc/mail/forwarders`
- D. `~/.forward`
- E. `~/.vacation`

**Answer:** D

**NEW QUESTION 60**

- (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 62**

- (Exam Topic 5)

Which of the following is a valid IPv6 address?

- A. `2001:db8:3241::1`
- B. `2001::db8:4581::1`
- C. `2001:db8:0g41::1`
- D. `2001%db8%9990%%1`
- E. `2001.db8.819f..1`

**Answer:** A

**NEW QUESTION 64**

- (Exam Topic 5)

What is the lowest numbered unprivileged TCP port? (Specify the number in digits only.)

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
1024

**NEW QUESTION 65**

- (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 69**

- (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 70**

- (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 73**

- (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 76**

- (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 80**

- (Exam Topic 6)

Which configuration file would be edited to change default options for the OpenSSH server?

- A. /etc/ssh/sshd\_config
- B. /etc/ssh/ssh
- C. /etc/ssh/server
- D. /etc/ssh/ssh\_config
- E. /etc/ssh/ssh\_server

**Answer:** A

**NEW QUESTION 81**

- (Exam Topic 6)

Which of the following commands preloads and manages keys that are used for automatic authentication while logging in to other machines using SSH?

- A. sshd
- B. ssh-agent
- C. ssh-keygen
- D. ssh-add

**Answer:** B

**NEW QUESTION 82**

- (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 86**

- (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 88**

- (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 89**

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