



LPI Certification

# Exam 102-400 LPI Level 1 Certification Part 2

Version 12.35 (120 Questions)



NO.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:** B,C,D

NO.2 Which of the following SQL queries counts the number of occurrences for each value of the field order\_type in the table orders?

- A. SELECT order\_type,COUNT(\*) FROM orders WHERE order\_type=order\_type;
- B. SELECT order\_type,COUNT(\*) FROM orders GROUP BY order\_type;
- C. COUNT(SELECT order\_type FROM orders);
- D. SELECT COUNT(\*) FROM orders ORDER BY order\_type;
- E. SELECT AUTO\_COUNT FROM orders COUNT order\_type;

**Answer:** B

NO.3 CORRECT TEXT

What word is missing from the following SQL statement?

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

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

**Answer:** VALUES, values

NO.4 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

NO.5 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

NO.6 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

NO.7 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

NO.8 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

NO.9 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:** B,E

NO.10 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

NO.11 Which of the following words is used to restrict the records that are returned from a SELECT

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SQL query based on a supplied criteria for the values in the records?

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

**Answer:** C

NO.12 What is the difference between the commands `test -e path` and `test -f path`?

- A. They are equivalent options with the same behaviour.
- B. The `-f` option tests for a regular file. The `-e` option tests for an empty file.
- C. Both options check the existence of the path. The `-f` option also confirms that it is a regular file.
- D. The `-f` option tests for a regular file. The `-e` option tests for an executable file.

**Answer:** C

NO.13 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

NO.14 CORRECT TEXT

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.)

**Answer:** /etc/skel

NO.15 When the command `echo $` outputs 1, which of the following statements is true?

- A. It is the process ID of the `echo` command.
- B. It is the process ID of the current shell.
- C. It is the exit value of the command executed immediately before `echo`.
- D. It is the exit value of the `echo` command.

**Answer:** C

NO.16 CORRECT TEXT

What word is missing from the following SQL statement?

\_\_\_\_\_ count(\*) from tablename;

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

**Answer:** select

NO.17 What output will the following command produce?

`seq 1 5 20`

- A. 1 6 1 1 1 6
- B. 1 5 10 15
- C. 1 2 3 4
- D. 2 3 4 5
- E. 5 10 15 20

**Answer:** A

NO.18 CORRECT TEXT

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

**Answer:** alias, alias -p

NO.19 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

NO.20 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

NO.21 CORRECT TEXT

What is the default name of the configuration file for the Xorg X11 server? (Specify the file name only without any path.)

**Answer:** xorg.conf

NO.22 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

NO.23 CORRECT TEXT

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.)

**Answer:** /usr/bin/xwininfo, xwininfo

NO.24 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

NO.25 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

NO.26 The X11 configuration file `xorg.conf` is grouped into sections. How is the content of the section `SectionName` associated with that section?

- A. It is placed in curly brackets as in `Section SectionName { ... }`.
- B. It is placed between a line containing `Section "SectionName"` and a line containing `EndSection`.
- C. It is placed between the tags `<Section name="SectionName">` and `</Section>`
- D. It is placed after the row `[SectionName]`.
- E. It is placed after an initial unindented `Section "SectionName"` and must be indented by exactly one tab character.

**Answer:** B

NO.27 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

NO.28 CORRECT TEXT

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.)

**Answer:** `xdm`

NO.29 For accessibility assistance, which of the following programs is an on-screen keyboard?

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

**Answer:** C