

# 117-102: LPI Level 1 Exam 102

1

To test a shell script called `myscript`, the environment variable `FOOBAR` must be removed temporarily. How can this be done?

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

2

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

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

3

Which command allows you to make a shell variable visible to subshells?

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

4

Which of the following commands shows **ONLY** the user id of Bob? (Select **TWO**)

- A. `cat /etc/passwd | grep Bob | cut -d: -f3`
- B. `cat /etc/passwd | grep Bob | cut -f: -d3`
- C. `grep Bob /etc/passwd | awk -F: '{ print $3 }'`
- D. `grep Bob /etc/passwd | awk -f: '{ print $3 }'`
- E. `grep Bob /etc/passwd | cut -F: -d3`

5

In the following command and its output,

```
echo $$  
12942
```

what is 12942?

- A. the process ID of the `echo` command
- B. the process ID of the current shell
- C. the process ID of the last command executed
- D. the process ID of the last backgrounded command

6

The user `bob` complains that he cannot access his email. In which directory would you look to see if there is any delivered email for him?

- A. `/var/spool/mail`
- B. `/var/mail/mqueue`
- C. `/var/spool/mqueue`
- D. `/home/bob/.mail`

7

You are a junior administrator of a high-traffic production web server.

Which of the following commands would you run to restart the Apache web service without aborting existing connections?

- A. `apachectl reload`
- B. `apachectl restart`
- C. `apachectl -k stop; apachectl start`
- D. `apachectl graceful`
- E. `/etc/init.d/httpd reload`

8

You want to add an alias for an existing DNS record. What type of DNS record could you use?

- A. CNAME
- B. MX
- C. SOA
- D. NS

9

These lines are taken from `/etc/smb.conf`:

```
workgroup = group1
guest account = nobody
```

What else is needed for this to work?

- A. `nobody` must be a valid group on the server.
- B. `nobody` must be a user name listed in `/etc/passwd`.
- C. `group1` must be a valid group on the server.
- D. `workgroup` must be a valid group on the server.

10

Which of the following commands is used to test if the syntax of Apache's configuration files are correct?

- A. `apacheconf test -a`
- B. `apachectl configtest`
- C. `ab -ct`
- D. `htttest -c`

11

Which configuration option can you use to prevent the `root` user from logging directly onto a machine using `ssh`?

- A. `NoRootLogin`
- B. `PermitRootLogin No`
- C. `NoRootLogin Yes`
- D. `RootLogin = No`
- E. `ProhibitRootLogin No`

12

Which configuration file would you edit to change 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`

13

Your senior system administrator asked you to edit the `/etc/inetd.conf` file in order to disable the time service. After doing so, what would be the next thing to do?

- A. Reboot the machine.
- B. Restart the `inetd`.
- C. Find the PID of `inetd` and kill it with `kill -15`.
- D. Find the PID of `inetd` and send it a `SIGHUP`.

14

You have a file `/etc/resolv.conf`, but the computer does not use the configured DNS servers to look up host names. What is most likely the problem?

- A. The `hosts` entry in your `/etc/nsswitch.conf` does not list `dns`.
- B. You do not have a `/etc/named.conf` file.
- C. The `localhost` hostname is not properly configured in `/etc/hosts`.
- D. The `named` daemon is not running on your computer.

15

The `hosts.allow` file is used by

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

## 16

You are having some trouble with a disk partition and you need to do maintenance on this partition but your users home directories are on it and several are logged in. Which command would disconnect the users and allow you to safely execute maintenance tasks?

- A. `telinit 1`
- B. `shutdown -r now`
- C. `killall -9 inetd`
- D. `/bin/netstop --maint`
- E. `/etc/rc.d/init.d/network stop`

## 17

Which configuration file should be modified to disable the `ctrl-alt-delete` key combination?

- A. `/etc/keys`
- B. `/proc/keys`
- C. `/etc/inittab`
- D. `/proc/inittab`
- E. `/etc/reboot`

## 18

In order to bypass print filters using `lpr`, which of following switches should be used:

- A. `lpr -o nofilter`
- B. `lpr -l`
- C. `lpr -o raw`
- D. `lpr -r`

## 19

In the LPD system, a print queue is defined in what file?

- A. `/etc/lprconf`
- B. `/etc/printer`
- C. `/etc/printqueue`
- D. `/etc/printcap`

## 20

Which of the following `find` commands will print out a list of `suid root` files 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`