







CompTIA Linux+ and LPIC Practice Tests

 **PREV**  
Chapter 23 System Security (Topic 212)



**NEXT**   
Chapter 25 Practice Test 2

## Chapter 24 Practice Test 1

THE FOLLOWING IS A PRACTICE TEST FOR THE  
COMPTIA LINUX+ EXAM 103

1. Which filesystem is used to store information about current running processes?
  1. /environment
  2. /proc
  3. /etc
  4. /dev
2. What is the default directory for configuration information related to the modprobe command?
  1. /etc/modprobe.conf
  2. /etc/modprobe
  3. /etc/modprobe.d
  4. /var/modprobe
3. Which of the following wall commands send the message "Please Log Off" to users in the operator group?
  1. wall -g operator "Please Log Off"
  2. wall "Please Log Off"
  3. wall -operator "Please Log Off"
  4. echo "Please Log Off" | group operator
4. When using systemctl to kill a process, what is the default signal sent to a process?
  1. SIGKILL
  2. SIGTERM
  3. SIGINT
  4. SIGCALL
5. Which option to dmesg displays the time in local time?
  1. -rel
  2. -e

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6. 6. Which process ID is typically associated with the init process?

1. 0
2. 1
3. 5
4. 100

7. 7. You have been troubleshooting a system issue that may be related to the driver in use for a PCI device in the system. Which command and option will display the PCI devices and the drivers being used for those devices?

1. `lsusb -v`
2. `ls -pci`
3. `lspci -k`
4. `showpci`

8. 8. Which option to the `telinit` command will cause the operation to not send any notice to logged-on users?

1. `-q`
2. `-v`
3. `--no-wall`
4. `-l`

9. 9. Which file in the `sysfs` filesystem could you view in order to see the MAC address of `eth0`?

1. `/sys/class/net/eth0/address`
2. `/sys/devices/eth0`
3. `/sysfs/devices/eth0`
4. `/sys/net/eth0`

10. 10. A newly added SATA disk is not showing up during the boot process. Where can you check to begin troubleshooting this issue?

1. System logging
2. Debugfs
3. Within the `fdisk` utility
4. Within the computer BIOS

11. 11. Which command can be used to monitor communication taking place with `dbus`?

1. `dbus-mon`
2. `dbus -m`
3. `dbus-monitor`
4. `dbus-debug`

12. 12. Within a `systemd` environment, which service manages `udev`?

1. `systemd-udevd.service`
2. `systemd-udev.service`
3. `udev.service`
4. `systemd.udev.service`

13. 13. What is the correct syntax to indicate that the system should shut down at 8 p.m.?

1. `shutdown 20:00`
2. `shutdown 8pm`
3. `shutdown +20:00`
4. `halt 20`

14. 14. Which option to the `systemctl kill` command will change the signal sent to the process to be killed?

1. `-k`
2. `-f`
3. `-s`
4. `-d`

15. 15. Which `systemd` command and option are equivalent to the `chkconfig --list` command in a SysVinit environment?

1. `systemctl list-unit-files`
2. `systemctl list-service`
3. `systemctl --list`
4. `systemctl list-unit-files --type=service`

16. 16. Which option to `ldconfig` is used to change the location of the cache to be updated?

1. `-C`
2. `-c`
3. `--f`
4. `-v`

17. 17. Which of the following commands will remove all files for a package in Debian, including configuration files?

1. `apt-get remove`
2. `apt-cache clean`
3. `dpkg -P`
4. `apt-get conf-remove`

18. 18. What is the prefix used to denote a Debian source repository in `/etc/apt/sources.list`?

1. `deb`
2. `source`
3. `deb-src`
4. `debsrc`

19. 19. Which options to `rpm` will upgrade a package while displaying progress and other additional information about the operation?

1. `-Iv`
2. `-Uvh`
3. `-U`
4. `-vh`

20. 20. Which option to a `yum install` command will cause `yum` to assume yes and therefore not prompt for verification when performing actions deemed critical?

1. `-y`
2. `-f`
3. `-p`
4. `-m`

21. 21. When working with a `yum`-based system, you need to create a configuration to ensure that certain packages are not upgraded or installed. Which option can you set in `/etc/yum.conf` to facilitate this behavior?

1. `exclude`
2. `noupdate`
3. `assumeupdate`

4. `clearupdate`

22. 22. You are having difficulty with shared libraries on the system. Which of the following commands will print the current directories and libraries in the cache?

1. `ldconfig -C`
2. `ldd -f`
3. `ldconfig -p`
4. `ldd -b`

23. 23. Which option within the `.repo` file in `/etc/yum.repos.d/` is used to set the URL for the repository?

1. `url`
2. `repourl`
3. `httpurl`
4. `baseurl`

24. 24. Which command and option are used to display basic information about each available package and its dependencies on a Debian system?

1. `apt-get list`
2. `apt-cache dump`
3. `apt-get list-all`
4. `apt-cache list`

25. 25. When running the `lsblk` command, there is no separate partition listed for `/boot`. From which partition is the system likely booted?

1. There is a `/boot` directory under the `/` partition.
2. The `/boot` partition is hidden.
3. The system has not yet built the `/boot` partition.
4. The `/boot` partition does not show up with `lsblk`.

26. 26. Within which hierarchy is cached data stored for both `yum` and `apt-style` systems?

1. `/etc`
2. `/var/cache`
3. `/usr/lib`
4. `/tmp`

27. 27. On a BIOS-based system, within which region of the disk is the bootloader typically installed?

1. MBR
2. `/boot`
3. Sector 8192
4. Front

28. 28. Which of the following best describes the contents of the `/` filesystem within Linux?

1. The `/` filesystem is the root filesystem and contains temporary files.
2. The `/` filesystem is the root's home directory.
3. The `/` filesystem is used for storage of the device and to swap information.
4. The `/` filesystem is the root filesystem and is the logical root of the hierarchy within Linux.

29. 29. Which of the following commands will send the output of the `grub2-mkconfig` command to the correct location for booting?

1. `grub2-mkconfig --output=/boot/grub2/grub.cfg`
2. `grub2-mkconfig --file=/boot/grub2.menu`
3. `grub2-mkconfig --file=/boot/grub.lst`
4. `grub2-mkconfig --output=/boot/menu.lst`

30. 30. Which command will change into the current user's home directory?

1. `cd !`
2. `cd home`
3. `cd ~`
4. `cd /home`

31. 31. Which of the following commands writes an image called from the current directory named `raspbian.img` to the SD card mounted at `/dev/sdc`?

1. `dd if=raspbian.img of=/dev/sdc bs=1M`
2. `imgwrite raspbian.img > /dev/sdc`
3. `imgw raspbian.img | cat /dev/sdc`
4. `dd raspbian.img > /dev/sdc`

32. 32. When troubleshooting a problem, you look through `.bash_history` to determine commands that you've recently executed. However, the file does not contain information from your current session. Which command can you use to view the commands that have been executed during the current session?

1. `cmdhist`
2. `cmds`
3. `pwd`
4. `history`

33. 33. Which option should be sent to `grub-install` if you want to install the boot images within a directory other than `/boot`?

1. `--boot`
2. `--image`
3. `--boot-directory`
4. `--b`

34. 34. Which command should be run in order to make changes take effect for a GRUB2 configuration change?

1. `update-grub`
2. `grub-update`
3. `grub-config`
4. `grub-ins`

35. 35. Which of the following commands will set the environment variable `JAVA_PATH` equal to `/home/user/java2` when using the Bash shell?

1. `invoke JAVA_PATH=/home/user/java2`
2. `export JAVA_PATH=/home/user/java2`
3. `envvar JAVA_PATH=/home/user/java2`
4. `echo JAVA_PATH=/home/user/java2`

36. 36. Which option in the `.bashrc` sets the number of commands to keep in the `.bash_history` file?

1. `HISTLIMIT`
2. `HISTORYFILE`
3. `HISTFILESIZE`
4. `HISTNUM`

37. 37. Which of the following commands will cause `nl` to number all lines, including blank lines, for a file called `code.php`?

1. `nl code.php`
2. `nl -a code.php`
3. `nl -n code.php`
4. `nl -b a code.php`

38. 38. Which command can be used to create an octal representation of a given plaintext file?

1. `oct`
2. `cat`
3. `list`
4. `od`

39. 39. Which command and option can be used to format text with pagination in a double-space format, including page numbers?

1. `pr -d`
2. `pag -db`
3. `cat -pd`
4. `print -d`

40. 40. Of the following options for the `tail` command, which option outputs the last lines beginning at the 30th line from the start of the file rather than the end of the file?

1. `-n +30`
2. `-n 30`
3. `-30`
4. `+30`

41. 41. Which option to the `uniq` command causes the matching to be done in a case-insensitive manner?

1. `-c`
2. `-f`
3. `-i`
4. `-n`

42. 42. Which of the following commands prints the username and real name of all users in `/etc/passwd` in a tab-separated format?

1. `cut -d: -f 1,6 /etc/passwd`
2. `sed 's/://'/etc/passwd`
3. `awk -F: '{print $1,$5}' OFS="\t" /etc/passwd`
4. `cat -o "\t"/etc/passwd`

43. 43. Which option to `cp` will preserve symlinks in a recursive copy?

1. `-f`
2. `-d`
3. `-a`
4. `-b`

44. 44. Which of the following key combinations is a technique for moving to the 23rd line of a file in `Vi`?

1. `23G`
2. `/23`
3. `i23`
4. `ZZ`

45. 45. Which option to the `top` command changes the update interval?

1. `-d`
2. `-t`
3. `-n`
4. `-f`

46. 46. Which of the following commands will display the process id, the real user id, the filesystem access user id, and command for processes on the system?

1. `listproc -uf`
2. `ps -eo pid,euser,fuser,comm`
3. `ps -e pid,user,comm`
4. `ps -fa`

47. 47. Which command can be used to search the contents of all files below your current location for files that contain the characters DB?

1. `grep -r "DB"*`
2. `grep -ri "DB"*`
3. `cat * | less`
4. `cat *.txt | grep DB`

48. 48. Which of the following commands will locate all files that begin with the name DB, starting from the current directory?

1. `locate "DB*"`
2. `find ./ -name "DB*"`
3. `whereis "DB*"`
4. `find "DB*"`

49. 49. Which of the following files is the location used to gather information about load average for use in the `uptime` command?

1. `/proc/uptime`
2. `/proc/loadavg`
3. `/proc/load`
4. `/proc/utime`

50. 50. The system contains an NFS mounted filesystem that has become unreachable. Which option should be passed to `umount` in order to force the unmounting of the filesystem?

1. `-nfs`
2. `--fake`
3. `-f`
4. `-n`

51. 51. Which option to `fsck` causes the operation to prompt when attempting a repair action?

1. `-y`
2. `-f`
3. `-r`
4. `-a`

52. 52. Which of the following files is updated dynamically with information about currently mounted filesystems?

1. `/etc/fstab`
2. `/etc/files`
3. `/boot/fstab`
4. `/etc/mtab`

53. Which option to `repquota` causes the output to be printed in a human-readable format?
1. `-h`
  2. `-s`
  3. `-p`
  4. `-f`
54. When running the `df` command, you need to change the scale such that the report shows terabytes instead of bytes. Which option will accomplish this task?
1. `-ST`
  2. `-BT`
  3. `-j`
  4. `-T`
55. What command can be used to create an image of important metadata for an `ext3` filesystem?
1. `e2image`
  2. `e3image`
  3. `dumpe2fs`
  4. `dumpe3fs`
56. Which option to `mke2fs` is used to check for bad blocks during filesystem creation?
1. `-a`
  2. `-b`
  3. `-c`
  4. `-d`
57. Which of the following commands changes the ownership of the file `Class.java` to the user `steve` and the group `developers`?
1. `chgrp steve:developers Class.java`
  2. `chown steve.developers Class.java`
  3. `chown developers.steve Class.java`
  4. `chown Class.java steve.developers`
58. Which of the following best describes the difference between `HISTSIZE` and `HISTFILESIZE` in Bash?
1. `HISTSIZE` is the number of overall history entries to keep in the `.bash_history`, while `HISTFILESIZE` sets the number of commands to keep for the current session.
  2. `HISTFILESIZE` is the number of overall history entries to keep in the `.bash_history`, while `HISTSIZE` sets the number of commands to keep for the current session.
  3. `HISTSIZE` is the size of root's history, while `HISTFILESIZE` sets the overall system history.
  4. `HISTSIZE` and `HISTFILESIZE` are the same.
59. Which configuration option can be set within `/etc/default/grub` to affect the behavior of the system after a failed boot?
1. `GRUB_RECOVER`
  2. `GRUB_NOFAIL`
  3. `GRUB_RECORDFAIL_TIMEOUT`
  4. `GRUB_RECOVER_TIMEOUT`
60. Which options to `du` will print a summary of information in a human-readable format?
1. `-sh`



- 2. -h
- 3. -s
- 4. -su

61. 61. Which option to the `find` command causes it to follow symbolic links?

- 1. -S
- 2. -H
- 3. -P
- 4. -L



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[Chapter 23 System Security \(Topic 212\)](#)

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[Chapter 25 Practice Test 2](#)