

KillTest

Exam : 117-101

Title : LPI Level 1 Exam 101(with rpm)

Ver : version2.00 05-25-2008

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1. What command line redirection characters instruct the shell to read from the current input source until a specific word, on a separate line and without and trailing spaces, is reached?

- A. <<
- B. <|
- C. !<
- D. &<

Answer: A

2. Which of the following commands will change all CR LF pairs in an imported text file, userlist.txt, to Linux standard LF characters and store it as newlist.txt

- A. `tr '\r\n' " " < userlist.txt > newlist.txt`
- B. `tr c '\n\r' " " < newlist.txt > userlist.txt`
- C. `tr d '\r' < userlist.txt > newlist.txt`
- D. `tr '\r' '\n' userlist.txt newlist.txt`
- E. `tr s '^M' '^J' userlist.txt newlist.txt`

Answer: C

3. Where can lilo place boot information?

- A. The boot ROM
- B. The boot RAM
- C. The /boot partition
- D. The MBR on a hard drive

Answer: D

4. What command will print a list of usernames (first column) and their corresponding user id (uid, third column) from /etc/passwd

A. `cut d: f1,3 /etc/passwd`

B. `chop c 1,3 /etc/passwd`

C. `tac 1 3 /etc/passwd`

D. `fmt u /etc/passwd`

Answer: A

5. User Joseph has successfully extracted and compiled a program from source code. Installing the binaries produces errors. What is the most likely reason?

A. The source code was compiled for a different CPU.

B. The permissions set in the /usr/bin directory are wrong.

C. The binaries require root privileges to be installed.

D. The wrong prefix was used during configuration of the source code.

Answer: C

6. How can you turn off the group quota in /pub

A. `quotaoff /pub`

B. `quotaoff gv /pub`

C. `quotadown /pub`

D. `rm /pub/quota.group`

Answer: B

7. The _____ partition is used for virtual memory.

Answer: swap

8. When reading man pages, a lot of extra characters are shown on screen. Which of the following commands can help to deal with this problem?

A. col

B. grep

C. more

D. pg

E. row

Answer: A

9. In GRUB's configuration file you find the line `root (hd1,4)` What is corresponding device name on a Linux system?

A. /dev/hda4

B. /dev/hda5

C. /dev/hdb4

D. /dev/hdb5

Answer: D

10. You logged in as user tux1, but now you want to switch users to tux2 with tux2's environment. How would you do this?

A. su tux2

B. su e tux2

C. su tux2

D. su m tux2

E. su f tux2

Answer: C

11. You have read/write permission on an ordinary file foo. You have just run ln foo bar. What would happen if you ran rm foo

A. foo and bar would both be removed.

B. foo would be removed while bar would remain accessible.

C. foo would be removed. bar would still exist but would be unusable.

D. Both foo and bar would remain accessible.

E. You would be asked whether bar should be removed.

Answer: B

12. You enter the command date +%M. What does the output show you?

A. the current year

B. the current month

C. the current hour

D. the current minute

E. the current second

Answer: D

13. The command `echo $!` will produce what output?

- A. the process id of last background command
- B. the exit status of the last command
- C. the exit status of the last background command
- D. the process id of the current shell
- E. the name of the command being executed

Answer: A

14. What command can put suspended jobs into the background?

Answer: bg

15. You wish to kill a process with a PID of 123. Select the command which will allow the process to "clean up" before exiting.

- A. `kill 1 123`
- B. `kill 9 123`
- C. `kill 15 123`
- D. `kill 17 123`

Answer: C

16. While using the vi editor, you wish to move ahead one page. You should press the control key and:

- A. A
- B. D
- C. F

D. U

Answer: C

17. The command `mkfs -t ext3 -T largefile /dev/hdb1` creates what size of inode?

A. 4 kilobyte

B. 1 megabyte

C. 2 megabyte

D. 4 megabyte

Answer: B

18. According to the File System Hierarchy Standard, the `lost+found` directory is used for:

A. files with unknown owners.

B. missing device files found by `/proc`.

C. unknown binary files found by `find`.

D. unlinked files found by `fsck`.

Answer: D

19. You are formatting a single hard disk for a Linux install. What is the maximum number of primary partitions you can create?

Answer: 4 or four

20. In order to save and restore your sound card's configuration between sessions, the ALSA sound system uses what program?

- A. setalsa
- B. setsound
- C. soundctl
- D. alsactl
- E. alsaset

Answer: D

21. You are compiling some software from source. After running `./configure` with the appropriate arguments and no errors, what is the next command to run?

Answer: make or make all

22. In order to append the output of `ls` to a file called `bazz`, which of the following command lines would you use?

- A. `ls > bazz`
- B. `ls >& bazz`
- C. `ls &> bazz`
- D. `ls >> bazz`

Answer: D

23. Users may create and edit a configuration file in their home directory that can tell the X window system what window manager they wish it to start when they log in. What file is that?

- A. `$HOME/.wmrc`
- B. `$HOME/.startx`

C. \$HOME/.Xdefaults

D. \$HOME/.xserverrc

E. \$HOME/.xinitrc

Answer: E

24. What information is displayed by the command `cat /proc/dma`

A. whether DMA is enabled

B. which DMA channels are in use

C. which DMA mode is in use

D. general information about DMA on the machine

Answer: B

25. To what environment variable will you assign or append a value if you need to tell the dynamic linker to look in a build directory for some of a program's shared libraries?

A. LD_LOAD_PATH

B. LD_LIB_PATH

C. LD_LIBRARY_PATH

D. LD_SHARE_PATH

E. LD_RUN_PATH

Answer: C

26. Which file the `/proc` filesystem lists parameters passed from the bootloader to the kernel?

Answer: `cmdline` or `/proc/cmdline`

27. After installing and configuring XFree86, you notice that when you start X, the display is not centered.

What program can you run to find a better modeline setting?

- A. XF86Setup
- B. xf86config
- C. xvidtune
- D. xvideoagent

Answer: C

28. Which of the following lines from /etc/X11/XF86Config indicate s what fonts can be found on a font server?

- A. FontPath= server
- B. Fonts "unix/:7100"
- C. FontPath "unix/:7100"
- D. Fonts= server
- E. Fontserver = "servername"

Answer: C

29. You have just set up the X Display Manager as your default display manager. What file should you edit to change the default background for it?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/prefdm
- C. /etc/X11/XF86Config
- D. /etc/X11/xdm.conf

Answer: A

30. You are building a server that will be the file server for all users on your 100 user network.

The server may have many hardware and operating system upgrades.

Which directory should have its own mount point and/or hard drive?

Answer: /home

31. How do you get a list of files that have been installed from a dpkg package?

- A. dpkg I pkgname
- B. dpkg C pkgname
- C. dpkg s pkgname
- D. dpkg S pkgname
- E. dpkg L pkgname

Answer: E

32. To prevent users from being able to fill up the / partition, the _____ directory should be on a separate partition if possible because it is world writeable.

Answer: /tmp or tmp

33. George is planning a partition scheme for a new Linux installation.

Which THREE directories should he consider for separate partitions? (Select three)

- A. /etc
- B. /home

C. /var

D. /lib

E. /tmp

Answer: BCE

34. Which file should be edited to select the network locations from which Debian installation package files are loaded?

A. /etc/dpkg/dpkg.cfg

B. /etc/apt/apt.conf

C. /etc/apt/apt.conf.d

D. /etc/apt/sources.list

E. /etc/dpkg/dselect.cfg

Answer: D

35. Which Debian package system command will list all partially installed packages and suggest how to get them correctly installed?

A. dpkg C

B. apt get u

C. dpkg Dh

D. dpkg l

E. apt get y

Answer: A

36. An installed package is broken. In order to go back to the previous version of the same package which RPM option should be used?

- A. replacefiles
- B. replacepkgs
- C. oldpackage
- D. nodeps

Answer: C

37. Which command will list all the files installed from the RPM package file named, vorbis tools 1.1.i386.rpm

- A. rpm qf vorbis tools 1.1.i386.rpm
- B. rpm F vorbis tools 1.1.i386.rpm
- C. rpm pf vorbis tools 1.1.i386.rpm
- D. rpm ql vorbis tools 1.1.i386.rpm
- E. rpm qlp vorbis tools 1.1.i386.rpm

Answer: E

38. Which RPM command will output the name of the package which installed the file /etc/exports

- A. rpm F /etc/exports
- B. rpm qf /etc/exports
- C. rpm KI /etc/exports
- D. rpm qp /etc/exports
- E. rpm qi /etc/exports

Answer: B

39. Many people like the vi text editor but the default bash command line editor recognizes emacs keystrokes. What command entered into a bash initialization file will have bash recognize vi keystrokes after login?

- A. history p vi
- B. alias emacs=vi
- C. HISTCMD=vi
- D. set o vi
- E. unset emacs

Answer: D

40. Which of the following commands will display the last 30 lines of /var/log/bigd.log as well as new content as it is appended to the file by another process?

- A. cut 30 v /var/log/bigd.log
- B. head 30 e /var/log/bigd.log
- C. tail f n 30 /var/log/bigd.log
- D. tac 30 /var/log/bigd.log
- E. cat r n 30 /var/log/bigd.log

Answer: C

41. What is the output when the following shell script executes? `cat &&foobar` Hello foobar foobar

- A. The contents of the file foobar.

- B. Hello
- C. No output but a file named foobar is created.
- D. Hello foobar
- E. Hello foobar foobar

Answer: D

42. What is the difference between the remove and the purge action with the dpkg command?

- A. remove removes the program, purge also removes the config files
- B. remove only removes the program, purge only removes the config files
- C. remove removes a package, purge also removes all packages dependent on it
- D. remove removes only the package file itself, purge removes all files related to the package

Answer: A

43. Which of the following programs is typically used to query installed debian packages? (Please select TWO that apply).

- A. dpkg
- B. apt cache
- C. apt conf
- D. dselect

Answer: AD

44. What command should be invoked to give the user sally read and write, but not execute, access to the file strategy.txt using Extended ACL entries?

- A. setfacl setperm sally:rw strategy.txt
- B. setfacl m user::sally+rw strategy.txt
- C. setfacl m user:sally:rw strategy.txt
- D. setfacl setperm user:sally+rw strategy.txt

Answer: C

45. The command used to determine a file's type is

- A. type
- B. find
- C. file
- D. ls

Answer: C

46. The sticky bit is usually set on

- A. /var/log
- B. /tmp
- C. /home
- D. log files

Answer: B

47. With Xorg 7.0, what is the name of the default font server?

- A. xfserv
- B. xfs

C. fonts

D. xfstt

E. fserv

Answer: B

48. In xorg.conf, which section is concerned with fonts?

A. the Fonts section

B. the Files section

C. the xfsCodes section

D. the Graphics section

E. the modeline section

Answer: B

49. After installing and configuring Xorg, you notice that when you start X, the display is not centered.

What program can you run to find a better modeline setting?

A. XF86Setup

B. xf86config

C. xvidtune

D. xvideoagent

Answer: C

50. Which of the following is the default Xorg configuration file?

A. /usr/X11R6/etc/xorg.conf

B. /var/X11/xorg.conf

C. /etc/X11/xorg.conf

D. /usr/etc/X11/xorg.conf

Answer: C

51. What would the following line accomplish if run as root

```
chown -R bert /home/bert/*
```

A. Nothing, this command is invalid.

B. It would revoke bert's ownership from his home directory to root.

C. It would change user ownership of all files in /home/bert to bert.

D. It would set the group ownership of the directory /home/bert to bert.

E. It would set ownership of all files and subdirectories in /home/bert to bert.

Answer: E

52. What command with all options and/or parameter will send the signal USR1 to any executing process of program apache2

Answer: `killall -s USR1 apache2` `killall -s SIGUSR1 apache2`

or `killall -USR1 apache2` `killall -SIGUSR1 apache2`

53. Which of these commands allows you to use shared libraries that are in /usr/local/lib

A. `export LD_PRELOAD=/usr/local/lib`

B. `export LD_LIBRARY_PATH=/usr/local/lib`

C. `ldconfig /usr/local/lib`

D. ldd /usr/local/lib

Answer: B

54. In bash, inserting 1>&2 after a command redirects

- A. standard error to standard input.
- B. standard input to standard error.
- C. standard output to standard error.
- D. standard error to standard output.
- E. standard output to standard input.

Answer: C

55. You have run out of disk space on a partition. Which of the following would be an easy way to move data to a new partition without reconfiguring the path to the data in existing applications?

- A. Run ext2fs ACL.
- B. Use a hard link.
- C. Use a symbolic link.
- D. Use the loopback device.
- E. Create a block device offset.

Answer: C

56. You suspect that a new ethernet card might be conflicting with another device. Which file should you check within the /proc tree to learn which IRQs are being used by which kernel drivers?

Answer: interrupts or /proc/interrupts

57. Which shell built in command can be used to create a shortcut or pseudonym for a longer command?

Assume a modern bourne like shell, such as bash.

A. shortcut

B. ln

C. sudo

D. link

E. alias

Answer: E

58. Which command line option would you use to restrict the GNU find command to searching a particular number of subdirectories?

A. max dirs

B. dirmax

C. maxdepth

D. s

E. n

Answer: C

59. Which utility would you use to change how often a filesystem check was performed over an EXT2 filesystem (without losing any data stored on that filesystem)?

A. mod2fs

B. fsck

C. tune2fs

D. mke2fs

E. fixe2fs

Answer: C

60. You installed a beta rpm package, but are experiencing some problems with it. How can you remove this package?

A. rpm qe rpmname

B. rpm v remove rpmname

C. rpm r rpmname

D. rpm d rpmname

E. rpm ev rpmname

Answer: E

61. All items are required to enable USB support on a Linux system EXCEPT:

A. A kernel that has USB driver support.

B. A USB 2.0 compatible device.

C. A supported controller chip such as OHCI, UHCI, or EHCI.

D. A kernel that supports hot pluggable devices.

Answer: B

62. You ran out of space and added a eighth disk to your SCSI I system. When you try to start, the system no longer boots. What is most likely the cause of this problem?

A. SCSI I supports only 8 devices including the adaptor.

- B. SCSI I supports only 6 disks per adaptor.
- C. There is a SCSI ID conflict that causes that problem.
- D. You forgot to set the SCSI ID #8 for the new disk.

Answer: A

63. How many SCSI ids for peripherals can SCSI 1 support?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: C

64. Which command will print to standard out only the lines that do not begin with # (pound symbol) in the file foobar

- A. /bin/grep ^# foobar
- B. /bin/grep v ^# foobar
- C. /bin/grep # \$ foobar
- D. /bin/grep v # \$ foobar

Answer: B

65. USB fax/modems that conform to this subclass of the Communication Device Class (CDC) vendor neutral standard are Linux compatible (answer is a 3 letter acronym).

Answer: ACM (Abstract Control Model)

66. How can you update a package only if an earlier version is currently installed on the system?

- A. rpm update rpmname
- B. rpm U rpmname
- C. rpm F rpmname
- D. rpm force rpmname
- E. rpm u rpmname

Answer: C

67. Which command will create an ext3 filesystem on /dev/hda2

- A. /sbin/mke2fs d /dev/hda2
- B. /sbin/mke2fs j /dev/hda2
- C. /sbin/mke2fs m 3 /dev/hda2
- D. /sbin/mke2fs c ext3 /dev/hda2

Answer: B

68. You need to install a fax server. Which type of fax/modem should you install to ensure Linux compatibility?

- A. External Serial Fax/modem
- B. External USB Fax/modem
- C. Internal ISA Fax/modem
- D. Internal PCI Fax/modem

Answer: A

69. You are using quota on your system. How can you see disk quota details?

- A. repquota
- B. quota l
- C. quota
- D. quotacheck
- E. quota list

Answer: A

70. What tool can you use to print shared library dependencies?

- A. ldconfig
- B. ldd
- C. libdep
- D. libpath
- E. ldev

Answer: B

71. Which of these commands allows you to use shared libraries that are in /usr/local/lib

- A. export LD_LIBRARY_PATH=/usr/local/lib
- B. export LD_PRELOAD=/usr/local/lib
- C. ldconfig /usr/local/lib
- D. ldd /usr/local/lib

Answer: A

72. You have not run apt-get on a system for some time, but it has been run on the system before.

What apt-get command would you run to download the latest list of packages, but not the packages themselves?

- A. apt-get build-dep
- B. apt-get mirror-select
- C. apt-get update
- D. apt-get upgrade
- E. apt-get dist-upgrade

Answer: C

73. Which system administration command can you use to update ld.so.cache after the installation of new shared libraries?

- A. ldconfig
- B. ldd
- C. libpath
- D. newlibs

Answer: A

74. What RPM command would show you detailed information for a package called openssh

3.6.i386.rpm

- A. rpm showinformation openssh 3.6.i386.rpm
- B. rpm showdetails package openssh 3.6.i386.rpm
- C. rpm query info package openssh 3.6.i386.rpm

D. rpm verify openssh 3.6.i386.rpm

Answer: C

75. Which file is used by ld.so to find libraries quickly without actually having to search the directories in its library path?

A. /etc/ld.so.cache

B. /etc/ld.so.conf

C. /etc/ld.so

D. /var/ld/cache

E. /var/.cache

Answer: A

76. You want to preview where the package file, apache xml.i386.rpm, will install its files before installing it. What command do you issue?

A. rpm qp apache xml.i386.rpm

B. rpm qv apache xml.i386.rpm

C. rpm ql apache xml.i386.rpm

D. rpm qpl apache xml.i386.rpm

Answer: D

77. Which environment variable you have to set up to use shared libraries that are not in the standard search path?

Answer: LD_LIBRARY_PATH

78. Which command will print out the attributes of the file foobar

- A. ls attr foobar
- B. lsattr foobar
- C. printattr foobar
- D. fileattr foobar

Answer: B

79. Which of the following commands will list the quota for a specific user, foobar

- A. repquota foobar
- B. quota foobar
- C. lsquota foobar
- D. printquota foobar

Answer: B

80. What command will uninstall a package but leave its configuration files in case a package is re installed?

- A. none, no command will do this
- B. dpkg s pkgname
- C. dpkg L pkgname
- D. dpkg P pkgname
- E. dpkg r pkgname

Answer: E

81. Which chown command will change the ownership to foo and the group to bar on a file named biglist

- A. chown foo/bar biglist
- B. chown u foo g bar biglist
- C. chown foo:bar biglist
- D. chown user foo group bar biglist

Answer: C

82. Pressing the Ctrl C combination on the keyboard while a command is executing in the foreground sends which of following signal codes?

- A. 1 (SIGHUP)
- B. 2 (SIGINT)
- C. 3 (SIGQUIT)
- D. 9 (SIGKILL)
- E. 15 (SIGTERM)

Answer: B

83. You want to install a new software package, but it is only available in RPM format and you are running Debian Linux. Which of the following would help you to install it on your system?

- A. alien
- B. apt conf
- C. dselect
- D. cpio

Answer: A

84. Which of the following commands will find the string foo in the file file1.txt, regardless of foo being in upper or lower case letters?

- A. `cat file1.txt | grep i foo`
- B. `cat file1.txt > grep n foo`
- C. `grep i foo | file1.txt`
- D. `grep n file1.txt < foo`
- E. `grep n foo file1.txt`

Answer: A

85. What single command (no options or arguments) can be used to fully extract a file called abc.tar.bz2

- A. `gzip`
- B. `gunzip`
- C. `tar`
- D. `bz2unzip`

Answer: C

86. Which of the following sed commands will replace all instances of the string foo with the string foobar changing the file file1.txt in place?

- A. `sed 's/foo/foobar/g' file1.txt`
- B. `sed 's/foo/foobar/g' file1.txt > file1.txt`
- C. `sed 's/foo/foobar/g' file1.txt | file1.txt`
- D. `sed -i 's/foo/foobar/g' file1.txt`
- E. `sed -i 's/foo/foobar/g' file1.txt > file1.txt`

Answer: D

87. Keyboards and mice are members of which class of USB devices?

- A. Communication Device Class
- B. Human Interface Device Class
- C. Mass Storage Device Class
- D. Data Interface Device Class

Answer: B

88. You want to display all currently mounted file systems.

Which command would you use? (Please enter only the command without arguments or options)

Answer: `mount` or `/bin/mount` `df` `/bin/df`

89. Which of the following commands will send output from the program myapp to both standard output (stdout) and the file file1.log

- A. `cat < myapp | cat > file1.log`
- B. `myapp 0>&1 | cat > file1.log`
- C. `myapp | cat > file1.log`
- D. `myapp | tee file1.log`
- E. `tee myapp file1.log`

Answer: D

90. Consider the following output: `prompt> myapp [1]+ Stopped myapp`

This output was the result of the user pressing the keyboard combination of the Ctrl key and what letter key?

Enter only the single (1) letter as your answer.

Answer: z or Z

91. Given the following output:

```
prompt> myapp [1]+  Stopped
```

```
myapp p prompt>
```

Which of the following commands will resume executing the stopped process while allowing the user to continue to type commands at the command prompt?

- A. bg myapp
- B. continue myapp
- C. exec myapp
- D. fg myapp
- E. myapp &

Answer: A

92. A Makefile typically contains which targets?

- A. CFLAGS, CPPFLAGS, LIBS, LDFLAGS
- B. clean, install, uninstall
- C. PATHS, DESTDIR, LIBS, LDFLAGS
- D. prefix, exec_prefix, bindir, mandir

Answer: B

93. What does the command `mount -a` do?

- A. It mounts the floppy disk for all users.
- B. It shows all mounted file systems.
- C. It opens `/etc/fstab` to edit.
- D. It mounts all file systems listed in `/etc/fstab`.

Answer: D

94. You have finished updating and resolving dependencies for some source code. What command should you run before recompiling the code into binary form?

- A. `make clean`
- B. `make all`
- C. `make dep`
- D. `make install`

Answer: A

95. You want the default permissions for your files to be `rw-r--r--`.

How must you set `umask`

- A. 037
- B. 640
- C. 038
- D. 027

Answer: D

96. To allow a regular user account to mount and unmount a filesystem (for instance, a cdrom or floppy), which option will need to be added to the corresponding line in `/etc/fstab`

- A. `nouidchk`
- B. `alluser`
- C. `user`
- D. `auto`

Answer: C

97. You are looking for an executable file `foo`. Select the command that would search for `foo` within directories set in the shell variable, `PATH`.

- A. `locate`
- B. `which`
- C. `find`
- D. `query`
- E. `whereis`

Answer: B

98. Which program finds only files that are in your `PATH`

Answer: `which` or `/usr/bin/which`

99. Which of the following commands will print the inode usage on each mounted filesystem?

- A. `du i`
- B. `df i`

C. lsfs i

D. printf s i

Answer: B

100. You are experimenting with a binary in /tmp/foo.d that expects its configuration file at /etc/foo.conf.

You don't want to save it there, but use a symbolic link to /tmp/foo.d/foo.conf instead. Which command would accomplish that?

A. ln s /tmp/foo.d/foo.conf /etc/foo.conf

B. ln /tmp/foo.d/foo.conf /etc/foo.conf

C. ln s /etc/foo.conf /tmp/foo.d/foo.conf

D. ln /etc/foo.conf /tmp/foo.d/foo.conf

Answer: A

101. You are having problems with a particular font and you want to see if its directory is included in XF86Config. Which section contains this information?

A. Paths

B. Fonts

C. Files

D. Graphics

Answer: C

102. When installing XWindows the monitor wasn't recognised but now a data sheet with its specification is available. Which xorg.conf section must be edited to specify the correct values for several variables?

- A. Screen
- B. Monitor
- C. Border
- D. Modeline
- E. Device

Answer: B

103. Which command is used to dump files in octal format?

- A. od
- B. octdump
- C. dumpoct
- D. cat o

Answer: A

104. You are using an application that you want to appear on the screen of another machine. What environment variable would you have to set or edit to achieve this?

- A. DISPLAY
- B. REMOTE
- C. REMOTE_XWINDOW
- D. SCREEN

Answer: A

105. When you start XWindows, which series of programs and/or scripts would most closely describe the

start up process?

- A. xdm > xinit > xinitrc > Xclients
- B. kde > xinitrc > xinit > Xclients
- C. startx > xinitrc > Xclients > kde
- D. startx > xinit > xinitrc > Xclients
- E. startx > xinit > Xclients > xinitrc

Answer: D

106. Your department decided to change the Gnome Display Manager's greeting. What configuration file should you edit?

- A. /etc/gnome/greeting
- B. /opt/gnome/share/greeting
- C. /etc/X11/gmd.conf
- D. /etc/X11/gdm/Init/Default

Answer: D

107. Your senior administrator asked you to change the default background of his machine, which uses XDM. Which file would you edit to achieve this?

- A. /etc/X11/xdm/Xsetup
- B. /etc/X11/xdm.conf
- C. /etc/X11/xdm/Defaults
- D. /etc/X11/defaults.conf

Answer: A

108. The system bell sound is annoying you. Which of the following can you use to change this and other user X preferences?

- A. xset
- B. xconf
- C. xbell
- D. xmag
- E. xpref

Answer: A

109. What application can be used in place of xhost? Please enter only the name without path.

Answer: xauth

110. Which command will print line numbers before each line in a file?

- A. ln
- B. nl
- C. cat n
- D. numline

Answer: B

111. What key combination is used to forcibly halt the X server in the event of the graphical session becoming unusable (eg., desktop manager or fullscreen application hanging)?

- A. press CTRL+ALT+DEL
- B. press CTRL+ALT+BACK_SPACE

- C. press CTRL+ALT+DEL twice
- D. press CTRL+ALT+F1 then run

Answer: B

112. You just started X for the first time and noticed that the display does not use the entire screen. What program can you use to fix this?

- A. xvidtune
- B. xf86config
- C. XF86Setup
- D. tweakscreen

Answer: A

113. Which of the following commands is run last during boot on a system with quotas enabled?

- A. fsck
- B. mount
- C. quotacheck
- D. quotaon

Answer: D

114. What does the Filesystem Hierarchy Standard enable? (Select TWO answers)

- A. software to predict the location of installed files and directories
- B. software to predict the ownership and access rights to files and directories
- C. users to predict the location of installed files and directories

D. users to predict how the filesystem should be formatted according to need

Answer: AC

115. Select the line that best represents what permissions the /etc/passwd file should have.

A. -rw----- 1 root root 531 Jun 5 22:45 /etc/passwd

B. -rw-r?r-- 1 root root 531 Jun 5 22:45 /etc/passwd

C. -rw-r--r-- 1 1 1 531 Jun 5 22:45 /etc/passwd

D. all answers listed are not correct

E. all answers listed are correct

Answer: B

116. The user john is no longer working for a company. To disable his account but not delete his information, what needs to be done?

A. userdel john

B. userdisable john

C. Remove user john from /etc/shadow.

D. Replace his password with * in passwd

E. Replace his password with a space in passwd.

Answer: D

117. Which of the following commands will print the current video settings to stdout in XF86Config

"Modeline" format?

A. xinfo mode

- B. xset info
- C. xf86config list
- D. xvidtune show

Answer: D

118. The _____ command displays ISA plug and play devices resource information.

Answer: pnpdump or /sbin/pnpdump

119. The _____ command allows you to view or change serial port configuration.

Answer: setserial or /bin/setserial

120. The X program _____ is often used to make minor keyboard adjustments, like proper Backspace/Delete mapping.

- A. xkbdmap
- B. kbdmap
- C. xmodmap
- D. modmap

Answer: C

121. The lspci command can display information about devices EXCEPT the following:

- A. card bus speed (e.g. 66Mhz).
- B. card IRQ settings.
- C. card vendor identification.

D. card AGP rate (e.g. 1x, 2x, 4x).

E. card Ethernet MAC address.

Answer: E

122. What does the following command do? `cat '$TEST'`

A. Displays a bash syntax error message.

B. Displays the contents of the file named `$TEST` if it exists.

C. Waits for the user to enter text and then echos the text back.

D. Displays the contents of the file named inside the back quotes.

E. Displays the contents of the file named by the environment variable `TEST`.

Answer: B

123. What command is used to display a file in octal format?

Answer: `od` or `/usr/bin/od` or `hexdump` or `/usr/bin/hexdump`

124. You have written a custom tool on your local system. Following the File Hierarchy Standard (FHS), where should you install the binaries to be available to all users on your system?

Answer: `/usr/local/bin` or `/usr/local/bin/`

125. You have created a really long letter and after you are done you notice that you used the name "Bob" many times but you forgot to capitalize it in many instances. Which command would replace "bob" with "Bob" in all instances and generate a new letter for printing?

A. `sed '/bob/Bob' letter > newletter`

- B. sed s/bob/Bob/ letter < newsletter
- C. sed 's/bob/Bob' letter > newsletter
- D. sed 's/bob/Bob/g' letter > newsletter
- E. sed 's/bob, Bob/' letter > newsletter

Answer: D

126. You are preparing a new set of shared libraries in /usr/local/applib and you have written and compiled some code that uses these libraries. You have already performed an ldconfig, however the system still cannot find the shared libraries. What is most likely the cause of this?

- A. You used the wrong compiler.
- B. You did not update your PATH variable.
- C. You compiled the code with wrong library.
- D. You forgot to put the library path in ld.so.conf.

Answer: D

127. Which command (without options) would you use to display how much space is available on all mounted partitions?

Answer: df or /bin/df

128. You are the system administrator for a consulting firm where several people use Linux as their desktop operating system. One of your users has installed a commercial publishing program that works under X on a variety of UNIX and Linux platforms. The user made a series of configuration changes regarding the initial window size, location and color. Now, he is having difficulty undoing these changes

and is asking for your help. In which file would you think you would most likely find the configuration settings you are seeking to change?

- A. ~/.xinitrc
- B. ~/.xconfig
- C. ~/.Xdefaults
- D. ~/.XF86Config
- E. /etc/X11/XF86Config

Answer: C

129. Identify the proper device for the third partition, on the second hard disk, on the first IDE controller on a PC system.

- A. /dev/hdb3
- B. /dev/hd1b3
- C. /dev/hdc1b3
- D. /dev/hdc1d2p3

Answer: A

130. After a minor security incident you are instructed by your lead sys admin to verify the RPMs installed on a running system. Which command will create a complete report that you can analyze for changes that may be security related?

- A. rpm -Va > report
- B. rpm -Qavy > report
- C. rpm -Vqt -nomd5 > report

D. rpm -checkfiles > report

E. rpm -Va -nofiles > report

Answer: A

131. You are running Linux 2.0.36 and you need to add a USB mouse to your system. Which of the following statements is true?

A. You need to rebuild the kernel.

B. You need to upgrade the kernel.

C. You need to load the USB modules for your existing modular kernel.

D. USB support is not available in Linux.

Answer: B

132. You have a USB storage device that you cannot get working. You have enabled all appropriate USB options in the latest 2.2 kernel but still cannot get your device working. What is most likely the source of the problem?

A. You have not configured your usb.usermap properly.

B. You are using the wrong kernel for this type of device.

C. The USB device is not USB 2.0 compliant.

D. There is a USB resource conflict.

Answer: B

133. Using vi, you want to save changes to the file myfile with :w!, but vi complains it cannot write to the file. Therefore, you want to check the write permissions on the file. To do this without leaving vi, you

type:

- A. `!ls | myfile`
- B. `!ls | myfile`
- C. `esc :ls | myfile`
- D. `?:ls | myfile`

Answer: A

134. You have just added a CD ROM drive (`/dev/hdd`) to your system and have added it to your `fstab`.

Typically you can use which of the following commands to mount media in that drive to `/mnt/cdrom`

- A. `mount /dev/cdrom /mnt/cdrom`
- B. `mount /dev/cdrom`
- C. `mount -t cdrom /dev/cdrom /mnt/cdrom`
- D. `mount /mnt/cdrom`
- E. `automount /mnt/hdd /mnt/cdrom`

Answer: D

135. Which of the following commands makes `/bin/foo` executable by everyone but writable only by its owner?

- A. `chmod 557 /bin/foo`
- B. `chmod o+rx,a+rx /bin/foo`
- C. `chown 557 /bin/foo`
- D. `chmod 755 /bin/foo`

Answer: D