117-101

LPI 101 General Linux, Part I

Version 8.0

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Note:

Section A contains 321 questions
Section B contains 97 questions
The total number of questions is 418.
Each section starts with QUESTION NO :1. There are no missing questions.

Section A

QUESTION NO: 1
What option is used with the useradd command to specify the user's home directory?

A. -d
B. -h
C. -u
D. -a

Answer: A

QUESTION NO: 2
What switch is used with the usermod command to change a user's secondary groups?

A. -G
B. -group
C. -d
D. -U

Answer: A

QUESTION NO: 3
Do changes to the inittab file require a reboot in order to take effect?

A. No
B. Yes

Answer: A

QUESTION NO: 4
You want to repeat the last command you entered. How would you do this?

A. #
B. !!
C. #l
D. ##

Answer: B

QUESTION NO: 5
What option can be used with the shutdown command to cancel a pending shutdown?

A. shutdown -c
B. shutdown -x
C. shutdown -n
D. shutdown -u

Answer: A

QUESTION NO: 6
Which of the following are required in the /etc/passwd file when creating a user account? (Choose all that apply)

A. login name
B. userid
C. default group
D. password age
E. minimum password length

Answer: A, B, C

QUESTION NO: 7
You have just added the following line to your syslog.conf file:
lpr.info /dev/console. But, line printer messages are not being sent to the console.
What is most likely the problem?

A. after modifying the syslog.conf file, the syslog daemon needs to be restarted.
B. the entry is formatted incorrectly
C. the syslog daemon reads it configuration information from the syslogd file

Answer: A

QUESTION NO: 8
What run level represents basic multi-user?

A. 2
B. 0
C. 1
D. 5

Answer: A

QUESTION NO: 9
What command be used to find the systems previous run level?

A. runlevel
B. level
C. rlevel previous
D. show level previous

Answer: A

QUESTION NO: 10
What syslog.conf facility represents user authentication processes?

A. auth
B. proc
C. user
D. login

Answer: A

QUESTION NO: 11
What syslog.conf facility represents the cron daemon?

A. crond
B. daemon
C. cron
D. crontab

Answer: C

QUESTION NO: 12
Which of the following syslog identifiers represents the highest priority?

A. notice
B. warning
C. error
D. critical

Answer: D

QUESTION NO: 13
Which of the following switches can be used with the tar command to find out the difference between two tar files?

A. -c
B. -v
C. -d
D. -t

Answer: C

QUESTION NO: 14
You want to add files to a previously created tar file. You want to replace existing files with newer files, how can you do this?

A. Use the append command
B. Use the tar command with the -t switch
C. Use the add command

D. Use the tar command with the -u switch

Answer: D

QUESTION NO: 15
What syslog.conf facility represents kernel processes?

A. user
B. proc
C. daemon
D. kern

Answer: D

QUESTION NO: 16
You want to view a listing of previously entered commands. What command would you use?

A. hist
B. histfile
C. showbuff
D. history

Answer: D

QUESTION NO: 17
Which of the following syslog identifiers represents the highest priority?

A. alert
B. error
C. critical
D. emerg

Answer: D

QUESTION NO: 18

You want to uninstall lilo. Which of the following would you do to accomplish this?

A. lilo -u
B. remove lilo
C. uninstall lilo
D. lilo -r

Answer: A

QUESTION NO: 19
Linux is a(n) _____ operating system, meaning the source code is freely available.

A. Open sourced
B. User licensed
C. Closed source
D. Open binary

Answer: **A**

QUESTION NO: 20
DNS provides _____ to IP address mappings.

A. NETBIOS name
B. host name
C. MAC address

Answer: B

QUESTION NO: 21
You want there to be 3 grace days after a password expires before an account becomes disabled. How would you do this?

A. Use the useradd command with the -f switch
B. Check the delay option in user admin
C. Edit the user's user.conf file
D. Use the useradd command with the -d switch

Answer: A

QUESTION NO: 22
You had a contractor come into your company. You originally set his account to expire after thirty days. You now need to change this. How can you do this?

A. usermod -e
B. usermod -a
C. usermod -x
D. usermod -d

Answer: A

QUESTION NO: 23
You want to have the process /etc/myprocess run when the system enters run level 3. Which of the following inittab entries would accomplish this?

A. 5:3:once:/etc/myprocess
B. 3:4:once:/etc/myprocess
C. once:3:4:/etc/myprocess
D. once:5:3:/etc/myprocess

Answer: A

QUESTION NO: 24
What option can be used with the shutdown command to send a warning message alerting users that the system will be shut down?

A. shutdown -k
B. shutdown -w
C. shutdown -a
D. shutdown -c

Answer: A

QUESTION NO: 25

Which of the following syslog.conf entries would cause kernel error messages to be sent to the system console?

A. kern warning console
B. kern.error console
C. kern.warning /dev/console
D. kern error console

Answer: C

QUESTION NO: 26
What run level represents multi-user?

A. 3
B. 0
C. 1
D. 5

Answer: A

QUESTION NO: 27
What syslog.conf facility represents miscellaneous daemons?

A. misc
B. proc
C. kern
D. daemon

Answer: D

QUESTION NO: 28
What syslog.conf facility represents Unix to Unix copy?

A. ucp
B. copy
C. uucp
D. uuc

Answer: C

QUESTION NO: 29
Which of the following syslog identifiers represents the highest priority?

A. info
B. warning
C. notice

Answer: B

QUESTION NO: 30
You want to add information to a previously created tar file. How would you do this?

A. Use the tar command with the -a switch
B. Use the append command
C. Use the add command
D. Use the tar command with the -r switch

Answer: D

QUESTION NO: 31
What syslog.conf facility represents user processes?

A. auth
B. proc
C. user
D. u

Answer: C

QUESTION NO: 32
What command can be used to print out system boot messages?

A. bootm
B. bmsg
C. messages

D. dmesg

Answer: D

QUESTION NO: 33
You want to set a 30 second delay before your system boots to the default kernel. Which of the following command lines would do this?

A. lilo -t 30
B. lilo -d 30
C. lilo delay 30
D. lilo 30

Answer: B

QUESTION NO: 34
What command can be used to show all variables?

A. set
B. varlist
C. show var
D. show

Answer: A

QUESTION NO: 35
What option is used with the useradd command to specify the user's user id?

A. -u
B. -s
C. -ui
D. -id

Answer: A

QUESTION NO: 36

You are adding a new user. You want to create the user's home directory only if the directory does not exist. Which of the following would accomplish this?

A. useradd -m
B. useradd -h -y
C. useradd -u
D. useradd -h

Answer: A

QUESTION NO: 37
Which of the following can be used to switch your system to run level 1?

A. init 1
B. inittab 1
C. rlevel 1
D. level 1

Answer: A

QUESTION NO: 38
You want to do a system shutdown, but you don t want the shutdown to occur immediately. You want the system to wait 60 seconds before doing the shutdown.
What option can be used with the shutdown command to wait 60 seconds before starting theshutdown?

A. shutdown -t 60
B. shutdown -w 1
C. shutdown -c 60
D. shutdown -t 1

Answer: A

QUESTION NO: 39
What run level represents administration mode?

A. 0
B. 1
C. 6

D. 5

Answer: B

QUESTION NO: 40
What file does init processes use as its control file?

A. /etc/inittab
B. /etc/proc
C. /etc/init
D. /etc/initproc

Answer: A

QUESTION NO: 41
What syslog.conf facility is used to create timestamps in log files?

A. mark
B. stamp
C. time
D. tstamp

Answer: A

QUESTION NO: 42
Which of the following commands can be used to create a tar archive file in verbose mode?

A. tar -v
B. tar -cvf
C. tar -c
D. tar -vf

Answer: B

QUESTION NO: 43

What is the name of the configuration file used by the syslog daemon?

A. syslog.conf
B. syslogd
C. slog.conf
D. system.conf

Answer: A

QUESTION NO: 44
What lilo.conf parameter will cause the root file system to be mounted read only?

A. no-write
B. read
C. no-right
D. read-only

Answer: D

QUESTION NO: 45
Which of the following syslog.conf entries would cause kernel error messages to be sent to the system console?

A. kern warning console
B. kern.error console
C. kern.warning /dev/console
D. kern error console

Answer: C

QUESTION NO: 46
What option is used with the useradd command to specify the user's login shell?

A. -s
B. -l
C. -u
D. -sh

Answer: A

QUESTION NO: 47
Which of the following can be used to change a user's home directory?

A. usermod -d
B. usermod -h
C. usermod -u
D. usermod -c

Answer: A

QUESTION NO: 48
You want to have the process /etc/myprocess to run when the system enters run level 2. You want the system to wait until the process completes. Which of the following inittab entries would accomplish this?

A. 7:2:wait:/etc/myprocess
B. 2:7:wait:/etc/myprocess
C. wait:2:7:/etc/myprocess
D. wait:7:2:/etc/myprocess

Answer: A

QUESTION NO: 49
Which of the following syslog.conf entries would cause kernel warning messages to be sent to the system console?

A. kern.console warning
B. kern.warning /dev/console
C. kern.warning.console
D. kern warning console

Answer: B

QUESTION NO: 50
You want to repeat a command that began with the letters 'ab'. How would you do this?

A. !ab
B. list ab
C. #ab
D. show ab

Answer: A

QUESTION NO: 51
What syslog.conf facility represents login processes?

A. proc
B. login
C. user
D. auth

Answer: D

QUESTION NO: 52
What option can be used with the shutdown command to cancel a pending shutdown?

A. shutdown -c
B. shutdown -x
C. shutdown -n
D. shutdown -u

Answer: A

QUESTION NO: 53
Which of the following commands can be used to extract a tar file?

A. tar -vf
B. tar -xvf
C. tar -e
D. tar -v

Answer: B

QUESTION NO: 54
Which of the following Linux packages can be used for web caching?

A. qmail
B. squid
C. apache
D. samba

Answer: B

QUESTION NO: 55
What lilo.conf parameter is used to specify what device should be mounted as root by default?

A. root
B. drive
C. mntroot
D. mount

Answer: A

QUESTION NO: 56
You want to find the full path of a certain command. How would you do this?

A. By using the 'where' command
B. By using the 'path' command
C. By using the 'which' command

Answer: C

QUESTION NO: 57
You want a user's account to expire in ten days. What option used with the useradd command will allow you to do this?

A. -e
B. -u
C. -d
D. -t

Answer: A

QUESTION NO: 58
Which of the following can be used to switch your system to run level 3?

A. init 3
B. rlevel 3
C. level 3
D. inittab 3

Answer: A

QUESTION NO: 59
Which of the following syslog.conf entries would cause mail error messages to be sent to the system console?

A. mail error console
B. mail.err /dev/console
C. mail. error console
D. mail.err.console

Answer: B

QUESTION NO: 60
What command can be used to find the current run level?

A. runlevel
B. level
C. show level
D. rlevel

Answer: A

QUESTION NO: 61

Which of the following syslog identifiers represents the highest priority?

A. alert
B. error
C. critical
D. emerg

Answer: D

QUESTION NO: 62
What daemon controls the syslog?

A. syslog
B. syslogd
C. logd
D. sys

Answer: B

QUESTION NO: 63
Which lilo.conf parameter will specify the amount of time the system will wait before booting to the default image?

A. wait
B. delay
C. pause
D. default

Answer: B

QUESTION NO: 64
What switch is used with the useradd command to specify a user's initial group?

A. -g
B. -i
C. -u
D. -ig

Answer: A

QUESTION NO: 65
What option can be used with the shutdown command to skip fsck on reboot?

A. shutdown -f
B. shutdown -o
C. shutdown -r
D. shutdown -s

Answer: A

QUESTION NO: 66
What run level represents a power down?

A. 5
B. 0
C. 1
D. 4

Answer: B

QUESTION NO: 67
What syslog.conf facility represents the line printer?

A. ptr
B. linep
C. lpr
D. lprinter

Answer: C

QUESTION NO: 68
Which daemon will send kernel alert messages?

A. alertd
B. smtpd

C. krnld
D. syslogd

Answer: D

QUESTION NO: 69
What syslog.conf facility represents mail processes?

A. proc
B. daemon
C. mail
D. smtp

Answer: C

QUESTION NO: 70
What syslog.conf facility represents user processes?

A. auth
B. proc
C. user
D. u

Answer: C

QUESTION NO: 71
What command can be used to cause changes to the inittab file to take effect without a system reboot?

A. init q
B. init r
C. inittab r
D. inittab q

Answer: A

QUESTION NO: 72

What option can be used with the shutdown command to reboot the system?

A. shutdown -r
B. shutdown -y
C. shutdown -c
D. shutdown -b

Answer: A

QUESTION NO: 73
What run level represents a system reboot?

A. 6
B. 1
C. 2
D. 5

Answer: A

QUESTION NO: 74
What syslog.conf facility represents Usenet news?

A. usenet
B. news
C. uunet
D. net

Answer: B

QUESTION NO: 75
You want to find out what files are contained in a tar file. How would you do this?

A. Use the tar command with the -t switch
B. Use the tar command with the -r switch
C. Use the grep command
D. Use the find command

Answer: A

QUESTION NO: 76
What syslog.conf facility represents httpd processes?

A. http
B. daemon
C. smtp
D. proc

Answer: B

QUESTION NO: 77
You want to repeat command number 3 in your history. How would you do this?

A. repeat 3
B. !3
C. show 3
D. #3

Answer: B

QUESTION NO: 78
What lilo option will list the name and location of available kernels?

A. -q
B. -k
C. -v
D. -l

Answer: A

QUESTION NO: 79
What lilo.conf parameter is used to specify vga text mode?

A. vgatext
B. svga
C. vga

D. vtm

Answer: C

QUESTION NO: 80
You want to set a script to run when your Linux system reboots. What lilo option should you use?

A. -R
B. -S
C. -T
D. -L

Answer: A

QUESTION NO: 81
What is the configuration file for the xscreensaver?

A. xscreensaver.conf
B. .xscreensaver
C. xsaver.conf
D. xdm-config

Answer: B

QUESTION NO: 82
What operation of the make utility cannot normally be performed as a normal user?

A. mrproper
B. clean
C. dep
D. depends
E. install

Answer: E

QUESTION NO: 83

What is the function of the .Xdefaults file?

A. Provides the defaults for new users X programs
B. A default user X profile, used as a template
C. User customizations for programs
D. KDE default user configuration file

Answer: C

QUESTION NO: 84
What entry in the X configuration file specifies where the fonts are located for the X system?

A. Fonts
B. Files
C. Fontpath
D. Devices

Answer: C

QUESTION NO: 85
A user named TessKing needs to execute a system script file. What rights do the user need to execute a script file?

A. Read, Write and Execute for all
B. Execute only for user
C. Read-only for user, Execute for group
D. Read and Execute in the same permission set

Answer: D

QUESTION NO: 86
What is the entry in the XF86Config file that specifies the fonts are on the local machine? Choose Two.

A. unix/:-1
B. unix/:7100
C. tcp/:45
D. udp/:80
E. font/:-1

Answer: A, B

QUESTION NO: 87
What section of the XF86Config file contains the entry to set the path for fonts used?

A. Fonts
B. Files
C. Ttype
D. ATM
E. FontPath

Answer: B

QUESTION NO: 88
When a user executes the command "ps ax", what is shown on the console? Choose atl that apply.

A. Process's user-related information
B. Processes without controlling terminals
C. Processes used by the XFree86 System
D. All regular processes
E. Processes on remote machines

Answer: B, D

QUESTION NO: 89
To change all lower case characters in a file to upper case, pick the correct command.

A. tr 'a-z' 'A-Z' file
B. tr [a-z] [A-Z] < file
C. tr "a-z" "A-Z" file
D. tr 'a-z' 'A-Z' < file
E. tr {a-z} {A-Z} > file

Answer: D

QUESTION NO: 90
Which of the following commands will duplicate the contents of the /A directory in the existing and empty /B directory?

A. mv /A/* /B
B. mv /A/ /B
C. mv /A /B
D. mv /A/* .

Answer: A

QUESTION NO: 91
What will the command "kill -HUP 1354" do?

A. Kill the process 1354 destructively
B. Kill the process 1354, allowing cleanup of memory
C. Restart the process 1354, re-reading it's config files
D. Restart the process 1354, resetting it's associated modem

Answer: C

QUESTION NO: 92
You need to have all the output from the executable myprog written to a text log named file1.out. This program must not send any output to the console. Which of the commands listed will accomplish this?

A. myprog > file1.out 2>&1
B. myprog > file1.out 1>&2
C. myprog > file1.out 1> /dev/null
D. myprog 1&2> file1.out
E. myprog 1> /dev/null > file1.out

Answer: A

QUESTION NO: 93
What is the name of the default XFree86 Font Server?

A. xfs
B. xfserver

C. xfree86fs
D. Xfs
E. xfontserver

Answer: A

QUESTION NO: 94
Which of the following are windows managers? Choose all that apply.

A. Xfce
B. Afterstep
C. IceWM
D. FVWM
E. BlackBox

Answer: A, B, C; D, E

QUESTION NO: 95
What command will tell you the color depth of your display?

A. xwininfo
B. xvidtune
C. xcd
D. xcdepth
E. xvidepth

Answer: A

QUESTION NO: 96
Two directories require different quota for file system usage. The /var/mail directory needs a 20MB quota, and the /home directories require a 40MB quota. What must be true about these directories?

A. They must exist on Ext3 partitions
B. They must be on different drives
C. They must be on different partitions
D. They must be mounted by the root user

Answer: C

QUESTION NO: 97
On an ext2 partition, what portion is reserved for the root user?

A. 100 cylinders
B. No less than 500 blocks
C. None
D. 5%
E. 1/32nd of the total space

Answer: D

QUESTION NO: 98
What are the default permissions for the Red Hat /etc/passwd file?

A. 644
B. 640
C. 400
D. 641
E. 440

Answer: A

QUESTION NO: 99
What are the default permissions on the Red Hat /etc/shadow file?

A. 644
B. 600
C. 400
D. 444
E. 640

Answer: C

QUESTION NO: 100
What are the default permissions on the Debian /etc/passwd file?

A. 644
B. 640
C. 777
D. 700
E. 400

Answer: A

QUESTION NO: 101
What are the default permissions on the Debian /etc/shadow file?

A. 654
B. 640
C. 400
D. 644
E. 540

Answer: B

QUESTION NO: 102
Which of the following directories would be the least likely to need backing up? Choose Two.

A. /usr
B. /etc
C. /home
D. /tmp
E. /swap

Answer: D, E

QUESTION NO: 103
Which of the following will copy file1.txt to file2.txt? Choose Two.

A. cat file1.txt > file2.txt
B. cat file1.txt | file2.txt
C. cp file1.txt > file2.txt
D. cp file1.txt file2.txt
E. cpio < file1.txt > file2.txt

Answer: A, D

QUESTION NO: 104
When you create a new file, the permissions show as 654. What value is the umask likely set at?

A. 012
B. 002
C. 123
D. 022

Answer: A

QUESTION NO: 105
When you create a new directory, you see the permissions are set to 600. What umask value would cause this to happen?

A. 177
B. 066
C. 244
D. 155
E. 333

Answer: A

QUESTION NO: 106
You need to display all files in the current directory that start with a "a" and end with a "v", regardless of their length or use of delimiters. Choose the best answer.

A. ls a*v
B. ls a.v
C. ls a-v
D. ls [a-v]

Answer: A

QUESTION NO: 107

What command with switches will display the disk utilization for all mounted file systems?

A. df
B. vmstat
C. du
D. top
E. free

Answer: A

QUESTION NO: 108
Which command will show the number of free and used inodes for your system's mounted file systems?

A. du -i
B. df -i
C. ls -iR /
D. freeinodes

Answer: B

QUESTION NO: 109
Which of the commands will show you only the middle 10 lines of a 30 line text file named textfile?

A. head -n 11-20 textfile
B. head -n 20 textfile | tail
C. tail -n 11-20
D. cat textfile | pr -n 11-20
E. nl -n 11-30 textfile

Answer: B

QUESTION NO: 110
Which command will display in reverse order a file that is numbered from 1 to End of File?

A. cat file | nl | pr
B. cat file | nl | tac
C. cat file | tac | nl
D. cat file | pr -n | reverse

E. None of the above

Answer: B

QUESTION NO: 111
What command will show the first 10 lines of a file by default?

A. head
B. cat
C. tac
D. nl
E. tail

Answer: A

QUESTION NO: 112
What command will show the last 10 lines of a file by default?

A. tail
B. head
C. cat
D. prstat
E. ps

Answer: A

QUESTION NO: 113
What is the result of the following command?

```
# cat 'echo "$TESTKING
```

a) A syntax error
b) The value of $TESTKING
c) cat followed by the value of $TESTKING
d) echo followed by the value of $TESTKING
e) echo followed by $TESTKING

Answer: A

QUESTION NO: 114
What is the result of the command:

```
# kill 9 13459
```

A. Kill PID 13459 with a signal 15
B. Kill PID 13459 with a signal 1
C. Kill PID 13459 with a signal 9
D. None of the above

Answer: D

QUESTION NO: 115
How can you execute two commands, the second one being executed only if the first returns a nonzero (program execution failed) exit status?

A. command1 || command2
B. command1 && command2
C. command1 $$ command2
D. command1 @@ command2

Answer: A

QUESTION NO: 116
What command will easily convert tabs in files to spaces?

A. convert
B. expand
C. tr
D. sed
E. None of the above

Answer: B

QUESTION NO: 117
What does the command "foo < bar | foobar" do?

A. foo reads bar as stdin, pipes output to foobar
B. foo and bar are fed to foobar as stdin
C. foo's output is sent to bar, output is written to foobar
D. None of the above

Answer: A

QUESTION NO: 118
What will the command "cd ~testking do?

A. Changes directory to the user testking's home directory
B. Changes to a directory named testking in the current user's home directory
C. Changes to directory /etc/testking
D. Produces a syntax error
E. None of the above

Answer: A

QUESTION NO: 119
You want to move all files in /dir1 to /dir2 that begin with a and end with v. What is the correct command to do this?

A. mv /dir1/a*v /dir2
B. mv -r /dir1/a.v /dir2
C. move /dir1/a?v /dir2
D. ls a*v | cp /dir2
E. mv /dir1/[a-v] /dir2

Answer: A

QUESTION NO: 120
What does the following command's characters do?

```
# cmd > file.out 2>&1
```

A. Sends the stdout of cmd to file.out
B. Sends the stdout and stderr of cmd to file.out
C. Sends the stderr to the bit bucket and stdout of cmd to file.out

D. None of the above

Answer: B

QUESTION NO: 121
Regardless of the version of Linux, which of the following help start and stop services on demand? Select two.

A. xinetd
B. inetd
C. samba
D. nfs
E. amd

Answer: A, B

QUESTION NO: 122
What steps need to be performed, to make a new disk accessible to users?

A. fdisk
B. mkfs
C. mount
D. stat
E. quotaon

Answer: A, B, C

QUESTION NO: 123
When the system is mounted, all file systems in the /etc/fstab are mounted, except those with what in the option column?

A. nomount
B. noauto
C. noatime
D. nohup

Answer: B

QUESTION NO: 124
What environment variable will set the path for added libraries?

A. LD_LIBRARY_PATH
B. LIBPATH
C. LPATH
D. LIB
E. None of the above

Answer: A

QUESTION NO: 125
What switch will set the foreground color in X?

A. fg
B. foreground
C. xfg
D. fregrnd
E. None of the above

Answer: A

QUESTION NO: 126
Which of the following best describes the order in which X Window files are executed or read ?

A. startx -> xinit -> xinitrc -> Xclients
B. xinit -> startx -> Xclients -> xinitrc
C. xinitrc -> Xclients -> startx -> xinit
D. Xclients -> startx -> xinitrc -> xinit

Answer: A

QUESTION NO: 127
Which keystrokes will move the cursor 3 lines down and 4 characters to the right?

A. 3j4l
B. 3k4m

C. 3h4j
D. 3l4k
E. 3m4k

Answer: A

QUESTION NO: 128
What two files are used to configure a user's environment that was created with the default options?

A. ~/.profile, ~/.bashrc
B. /etc/profile, /bashrc
C. ~/.bash_profile, ~/.bashrc
D. /etc/.login, ~/.login
E. None of the above

Answer: C

QUESTION NO: 129
What file is used to configure the XDM daemon?

A. xdm-config
B. xdm.conf
C. xdmcfg
D. xdaemon.conf
E. None of the above

Answer: A

QUESTION NO: 130
The screensize is already configured in X on a system. When started, the screen defaults to a certain size. The user wants to change it, what file should the user edit manually to accomplish this?

A. /etc/xf86config
B. /usr/bin/xf68setup
C. /etc/X11/XF86Config
D. /etc/screensize

Answer: C

QUESTION NO: 131
When executing a command that produces output to the screen, you get an exit code of 0. Choose the best description of what has happened

A. The program executed properly
B. The program encountered an error
C. The program requires more input
D. The program has returned standard input
E. The program terminated with a syntax error

Answer: A

QUESTION NO: 132
Which directory is used to store undelivered user email by default?

A. /var/spool/sendmail/usermail
B. /var/spool/mail
C. /var/spool/mailqueue
D. /var/spool/sendmail/username
E. /var/mail/sendmail/username

Answer: B

QUESTION NO: 133
Which utility would be used to verify the checksum of a downloaded archive file?

A. verify
B. chksum
C. md5sum
D. chkrpm
E. pkgchk

Answer: C

QUESTION NO: 134

With a Linux 2.2 Kernel-based machine configuration of 133 MHZ, 32 MB RAM and a 1 GB HD, how much swap should be configured?

A. 512MB
B. 256MB
C. 128MB
D. 64MB
E. 32MB

Answer: D

QUESTION NO: 135
What is filename including full path, of the file used to configure library path settings for a system?

A. /usr/lib/lib.so.1
B. /etc/lib.conf
C. /etc/ld.so.conf
D. /usr/lib/modules/modules.conf
E. None of the above

Answer: C

QUESTION NO: 136
You set a variable's value with the command "export TEST=snuffy" and then after executing the following script file, you type the command "echo $TEST".

```
scriptfile1
     #!/bin/bash
     USER=tessking
     TEST=$USER
```

What is the variable's value that is returned?

a) snuffy
b) tessking
c) empty
d) variable undeclared
e) TEST

Answer: A

QUESTION NO: 137
A directory contains the following files:

```
#ls
ratas  saran  jacaw  cabal  cabin
```

You issue the command "ls | grep .a[^b]a.", what files are returned by the command? Choose all that apply.

A. ratas
B. jacaw
C. saran
D. cabal
E. cabin

Answer: A, B, C

QUESTION NO: 138
Which of the following will allow both the commands to execute, regardless of their individual exit status?

A. command1 | command2
B. command1 $ command2
C. command1 & command2
D. command1 ; command2
E. command1 ^ command2

Answer: D

QUESTION NO: 139
Which of the following will cause command2 not to execute if command1 fails?

A. command1 & command2
B. command1 && command2
C. command1 || command2
D. command1 | command2
E. command1 ; command2

Answer: B

QUESTION NO: 140
A user needs to search a file for lines that contain the asterisk (*) character. Which grep search command will accomplish this? Choose all that apply.

A. grep * textfile
B. grep '*' textfile
C. grep "*" textfile
D. grep \<*\> textfile
E. grep "'*'" textfile

Answer: A, B, C

QUESTION NO: 141
You have booted a desktop Linux system and logged in. When you type "startx", a mouse error occurs almost immediately. What's the most likely cause of the problem?

A. a reboot is needed
B. the gpm malfunctioned and must be reloaded
C. the wrong mouse protocol is selected
D. the wrong mouse mode is set
E. a modeline is incorrectly set

Answer: C

QUESTION NO: 142
What line in the /etc/inittab file sets the runlevel a machine will enter when a graphical login is desired?

A. id:5:initdefault
B. si:5:sysinit:/etc/rc.d/rc.sysinit
C. x:5:respawn:/etc/X11/prefdm -nodaemon
D. d) # 5 - X11

Answer: A

QUESTION NO: 143

What environment variable is used to remotely display another machines X session on yours?

A. DISPLAY
B. XSESSION
C. SCREEN
D. TTY
E. None of the above

Answer: A

QUESTION NO: 144
You want to configure user quotas for the /home filesystem. You've installed the quota packages. What else needs to be done to enable the filesystem's quotas? Choose all that apply.

A. add usrquota to the /etc/fstab options column
B. run the quotaon command
C. run the quotacheck -avug command
D. edit the user's quota settings
E. remount the file system

Answer: A, B, C, D, E

QUESTION NO: 145
What file should you edit to exclude directories from being indexed by the slocate command?

A. /etc/slocatedb.conf
B. /etc/default/slocate
C. /etc/slocated.conf
D. /etc/updatedb.conf
E. /etc/sysconfig/updatedb.conf

Answer: D

QUESTION NO: 146
You need to create a symbolic link in the current user's home directory named testking to the file /data/foobar. Choose the command that will accomplish this.

A. link .testking /data/foobar
B. ln /data/foobar $HOME/testking

C. ln -s /data/foobar ~/testking
D. file --link ./testking /data/foobar
E. None of the above

Answer: C

QUESTION NO: 147
Which of the following file system types causes the least impact when upgrading an Ext2 file system?

A. Ext3
B. ReiserFS
C. JFS
D. XFS
E. VFS

Answer: A

QUESTION NO: 148
What command can find the program file "bar" and it's associated man pages and any existing source files, but not return all files that have "bar" in the command name or path?

A. whereis
B. find
C. locate
D. apropos
E. whatis

Answer: A

QUESTION NO: 149
According to the Filesystem Heirarchy Standard, what directory trees are considered optional on a system's root filesystem? Choose all that apply.

A. /mnt
B. /root
C. /usr
D. /var
E. /opt

Answer: C, D, E

QUESTION NO: 150
What command with options will show the currently mounted filesystems usage in kilobytes?

A. df -k
B. df -h
C. du -k
D. du -h
E. du -s

Answer: A

QUESTION NO: 151
You need to alter the permissions on the directory /home/mrking and all it's contents to match the following permissions.

```
drwxr--r--
```

Which of these commands with options and arguments will accomplish this? Choose two.

A. chmod 0744 /home/mrking -R
B. chmod 744 /home/mrking/*
C. chmod -R u=rwx,g=r,o=r /home/mrking
D. chmod u+rwx,g+r,o+r /home/mrking

Answer: A, C

QUESTION NO: 152
What is the simplest and most direct command to check the integrity of an Ext2 file system?

A. fsck.ext2
B. fsck -t ext2
C. e2fsck
D. ext2fsck
E. None of the above

Answer: C

QUESTION NO: 153
If a file is symlinked to with a link name of file2, and that file is deleted, what happens to the contents of the file?

A. The contents still exist, and can be reached with file2
B. The contents are gone, leaving file2 orphaned
C. The file can be retrieved with undelete -f file2
D. File2 is another name to the original, and the contents are still there

Answer: B

QUESTION NO: 154
Which utility on a system will report any excessive file system space remaining with very few inodes still available?

A. fsck
B. debugfs
C. sync
D. showfiles
E. softlinks

Answer: A

QUESTION NO: 155
What options will allow a normal user to mount and then unmount a file system without needing assistance from the root user?

A. user and users in the /etc/fstab
B. user and users in the /etc/default/
C. user and users in the /etc/vfstab
D. user and users in the /etc/mnttab
E. usrquota and grpquota in the /etc/fstab

Answer: A

QUESTION NO: 156

What two things does the /etc/fstab file contain references to?

A. File Systems
B. Mount Points
C. User Options
D. File System Defaults
E. File System Permissions

Answer: A, B

QUESTION NO: 157
Which of the following are executed ONLY during a Login session

A. /etc/profile
B. /etc/bashrc
C. ~/.bashrc
D. ~/.bash_profile
E. ~/.bash_logout

Answer: A, D

QUESTION NO: 158
Which of the following are executed during a non-login shell?

A. /etc/profile
B. /etc/bashrc
C. ~/.bash_profile
D. ~/.bashrc
E. ~/.bash_logout

Answer: B, D, E

QUESTION NO: 159
In which file are you likely to find the global setting for the umask and ulimit?

A. /etc/profile
B. /etc/bashrc
C. /etc/bash_profile
D. ~/.bashrc

E. ~/.bash_profile

Answer: A

QUESTION NO: 160
In which file are you likely to find the settings for umask, path, and ulimit on a per user basis?

A. /etc/profile
B. /etc/bashrc
C. ~/.bash_profile
D. ~/.bashrc

Answer: C

QUESTION NO: 161
Which of the following is true about the XF86Config file. Select all that apply?

A. Can set the screen resolution settings
B. Can set the bits per pixel (colour depth) setting
C. Includes keyboard and mouse selections
D. Includes information on which window manager to run
E. Contains information on where fonts are located

Answer: A, B, C, E

QUESTION NO: 162
What is the correct syntax to remove testking entirely from a Debian System including configuration files?

A. dpkg -r testking
B. dpkg --remove testking
C. dpkg --kill testking
D. dpkg -R testking
E. dpkg --purge testking

Answer: E

QUESTION NO: 163
How do you use dpkg to verify the status of an installed package testkingpkg? Select two.
a) dpkg -s testkingpkg
b) dpkg -S testkingpkg
c) dpkg -stat testkingpkg
d) dpkg --stat testkingpkg
e) dpkg --status testkingpkg

Answer: A, E

QUESTION NO: 164
Which pair of dpkg options are equivalent and what do they do?

A. -C and --configure they reconfigure an unpackaged package
B. -C and --clear-avail they erase exisiting information about what packages are available
C. -A and --audit they update information about what packages are available
D. -C and --audit they provide resource consumption information on installed packages
E. -C and --audit they search for partially installed packages

Answer: E

QUESTION NO: 165
Which is a valid /etc/fstab entry

A. fs1:/proc /mnt/fs1 nfs defaults 9 9
B. /mnt/fs1 fs1:/proc nfs defaults 0 0
C. fs1:/home /mnt/fs1 nfs defaults 0 0
D. /mnt/home fs1:/home nfs defaults 0 0
E. /home:fs1 /mnt/fs1 nfs defaults 0 0

Answer: C

QUESTION NO: 166
What will happen when the following command is issued?

```
rpm -Uvh file
```

A. The rpm file will be verified

B. The installed package will be upgraded with the package in file, with verbose output
C. The installed package may be upgraded with the package called file, giving verbose output and hash marks to show installation
D. An error will occur as a package specifier was not included in the command line

Answer: C

QUESTION NO: 167
Which of the following modems cannot be used on linux systems

A. ISDN TA
B. Cable modems
C. Analogue modems
D. PCI modems
E. Win modems

Answer: E

QUESTION NO: 168
When partitioning a disk with more than 1024 cylinders, which of the following could affect the systems ability to boot?

A. Location of LILO on disk
B. Location of /boot on disk
C. Location /var on disk
D. Disk transfer rate
E. Disk seek time

Answer: B

QUESTION NO: 169
What happens when ldconfig is executed?

A. The binary index file (cache) of library locations is rebuilt
B. The text index file of library locations is rebuilt
C. make is run to rebuild the libraries who's source code has changed
D. The disk is scanned for libraries to include in the index
E. Nothing, unless the libraries have been recompiled since ldconfig was last run.

Answer: A

QUESTION NO: 170
Where is the quota information for users of volume /home stored?

A. /etc/sysconfig/quota/quota.home.user
B. /etc/quota/quota.home.user
C. /home/quota.home.user
D. /home/quota.user
E. /home/quota.home.group

Answer: D

QUESTION NO: 171
What is the purpose of setting the SUID? Choose all that apply.

A. Allows any user to run a executable program with the permissions of the owner of the program
B. Allows any user to run a program with the permissions of the group of the program
C. Everyone can edit the files that are created but only root and owner can delete them.
D. To keep programs that are needed constantly in non-swappable RAM
E. To cause a program opened in one X virtual pane to follow the user's focus to other panes

Answer: A, D

QUESTION NO: 172
How can you set the SGID on a file called testkingexaminator?

A. chmod u+s testkingexaminator
B. chmod g+s testkingexaminator
C. chmod o+s testkingexaminator
D. chmod u+t testkingexaminator

Answer: B

QUESTION NO: 173
How many devices excluding the controller can be on an 8 bit SCSI card?

A. 6
B. 8
C. 9
D. 16
E. 7

Answer: E

QUESTION NO: 174
How many devices can be installed on a 16 bit SCSI excluding the controller?

A. 8
B. 10
C. 12
D. 16
E. 15

Answer: E

QUESTION NO: 175
Which steps are necessary to compile and install a source code program? Choose the least amount possible.

A. Extract source
B. edit makefile
C. ./configure
D. make
E. make install

Answer: A, C, D, E

QUESTION NO: 176
Which command cannot normally be executed by a non-root user when compiling an application?

A. make
B. makefile
C. ./configure
D. make install

Answer: D

QUESTION NO: 177
What is the correct format for a proper command in the shell?

A. Option Argument Command
B. Command Argument Option
C. Command Option Argument

Answer: C

QUESTION NO: 178
What is the result of the following command?

```
command > file1.out 2>&1
```

A. Redirects stderr to file1.out
B. Redirects the stderr to the same location as the stdout.
C. Redirects stdout to the screen and stderr to file.out
D. Redirects all the output to the same location as the stderr

Answer: B

QUESTION NO: 179
What will the command "kill -HUP 1354" do? Select all the apply

A. The same as kill -9 1354
B. The same as kill 15 1354
C. The same as kill -15 1354
D. The same as kill -SIGHUP 1354
E. The same as kill -1 1354

Answer: D, E

QUESTION NO: 180

What would the command "rpm --allmatches rpmname" do?

A. Remove all packages named allmatches
B. Remove all packages with the package name rpmname
C. Remove all packages regardless of name

Answer: B

QUESTION NO: 181
Which command will output the exit status of the previous command (a 1 or a 0)?

A. echo $?
B. echo $1
C. echo $EXIT
D. exitstatus

Answer: A

QUESTION NO: 182
Select all the ways of exiting and saving a vi session.

A. :wq
B. :w
C. :ZZ
D. Shift ZZ
E. :x
F. :exit

Answer: A, D, E

QUESTION NO: 183
You have an old computer that you have set up to connect to the Internet with an external 56K modem but are unable to establish a connection of greater than 9600bps.
What is the most likely source of the problem?

A. Winnmodems are not supported in Linux.
B. The UART is not capable of handling more than 9600bps.
C. The serial port is not recognized by the kernel.
D. The modem is not configured to use the correct IRQ.

Answer: B

QUESTION NO: 184
Which of these commands will list the shared libraries used by the KDE application kpanel?

A. ldd kpanel
B. /usr/lib kpanel
C. kdd /opt/kde/bin/kpanel
D. ldd /opt/kde/bin/kpanel
E. ldconfig /opt/kde/bin/kpanel

Answer: A

QUESTION NO: 185
Which utility can you call to find out what shared libraries a program is using?

A. ldd
B. ld.so
C. modprobe
D. ldconfig
E. ld-linux.so

Answer: A

QUESTION NO: 186
You are building a server that will undergo many hardware and operating system upgrades. The server is the file server for all users on your 100 user network.
Which directory should have its own mountpoint and/or hard drive?

A. /boot
B. /sbin
C. /home
D. /etc

Answer: C
OR /DEV if avaliable choice.

QUESTION NO: 187
Which of the following is a typical rule for allocating swap space for a Linux installation?

A. Use 25% of available drive space for a swap partition.
B. Use 10% of available drive space for a swap partition.
C. Use 50% of total RAM for the size of a swap partition.
D. Use 200% of total RAM for the size of a swap partition.
E. Use 128MB on each hard disk in the system for swap.

Answer: D

QUESTION NO: 188
You have a system that uses LILO from the Master Boot Record. You have just recompiled a new kernel. You already have a backup kernel setup to boot from LILO so you overwrite your existing kernel with new kernel image using the same name and location. When you reboot, you find the system does not boot.
What is likely to be the problem?

A. The new kernel image is above the 1024 cylinder and therefore cannot be loaded.
B. You did not update your `/etc/lilo.conf` file to boot the new kernel.
C. You need to boot the new kernel with a boot floppy to restore the old kernel.
D. You reboot before re-installing LILO in the Master Boot Record.

Answer: A

QUESTION NO: 189
You have compiled a program from source successfully, buy you are getting permission errors when you try to install the binaries.
What is most likely the problem?

A. Both **rpm** and **dpkg** need to be run as root.
B. You have the wrong permissions set on the `/usr/bin` directory.
C. The wrong prefix was used during the configuration or was not properly defined for the compile stage.
D. The binaries need to be installed into directories that need root privileges to write to them.

Answer: D

QUESTION NO: 190
Which of the following contains typical targets of a Makefile?

A. Prefix, exec_prefix, bindir, mandir
B. CFLAGS, CPPFLAGS, LIBS, LDFLAGS
C. PATHS, DESTDIR, MANPAGES, CONFIGFILES
D. clean, test, install, uninstall

Answer: B

QUESTION NO: 191
You want to examine the changelog for the installed package "postfix".
Which command will display the changelog?

A. rpm –Vc postfix
B. rpm –qpil postfix
C. rpm --changelog postfix
D. rpm –q --changelog postfix
E. rpm –qa --changelog postfix

Answer: D

QUESTION NO: 192
Which RPM command would produce the following output

```
Name         : xwhois       Relocations: (not relocatable)

Version      : 0.3.7        Vendor: Tess King

Release      : 1       Build Data: Fri 06 Aug 1999 09:29:07 AM EDT

Install date: (not installed) Build Host: desktop.infohvy.com

Group        : Application/Internet Source RPM: (none)

Size         : 74057        License: GPL

Packager     : Ryan Weaver <ryanv@testking.com>

URL          : http://www.goatnet.ml.org/software.html
```

```
Summary      : X Windows Whois Tool

Description: xwhois is a small and fast query tool for the whois
service. (rfc954)

xwhois-0.3.7.tar.gz

xwhois.spec
```

A. `rpm –qpil xwhois-0.3.7-1.src-rpm`
B. rpm-qx xwhois
C. rpm-Vf xwhois-0.3.7-1.src.rpm
D. rpm-verify xwhois-0.3.7-1.src.rpm
E. rpm-showheaders xwhois-0.3.7-1.src.rpm

Answer: A

QUESTION NO: 193
After a minor security incident you are instructed by your lead sys-admin to verify the RPM's installed on a running system.
Which command will create a complete report which you can analyze for changes which 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

QUESTION NO: 194
Your lead sysadmin has asked you to add a second NIC to a Linux machine.
Which of the following commands would be best to determine which interrupts are currently in use on this machine?

A. `cat /proc/ioports`
B. `cat /proc/interrupts`
C. `cat /proc/memoryinfo`
D. `which interrupts`
E. `tail /var/log/messages`

Answer: B

QUESTION NO: 195
You need to know where all the configuration files for the installed package named "postfix" are located.
Assuming it was installed with rpm, which command will list this information for you?

A. `rpm -qc postfix`
B. `rpm -Vc postfix`
C. `prm --config postfix`
D. `rpm -listconfig postfix`
E. `prm -qa --config postfix`

Answer: A

QUESTION NO: 196
You are about to install a new program on an RPM based Linux system.
Which of the following would be the best way to accomplish this?

A. Get the source code in a tarball and install from that source.
B. Get a source RPM and use **rpm** to install it.
C. Use **rpm** to install the program's binaries from an RPM package.
D. Use **cpi** to extract the binaries from a source RPM and use **rpm** to install those sources.

Answer: C

QUESTION NO: 197
You have just typed the following three commands and got the following output:

```
prompt> echo $PATH

/usr/bin:/usr/local/bin:usr/sbin:opt/kde/bin

prompt> pwd

/home/anna/games

promt> ls
```

```
game1 game2 game3
```

You want to run the program game1, but get the response that it is not found. What did you forget to do?

A. To type **./game1** rather than **game1**.
B. To switch the directory `/home/anna` first.
C. To unset your PATH before running the program.
D. To set execution permissions for the program **game1**.

Answer: A

QUESTION NO: 198
You have a file with the following contents:

```
allan

bart

ceasar

alicia

beatrice

cecilia
```

What single command could you use to list the file contents in reverse order? (Include only the command without options or arguments)

Answer: tac

QUESTION NO: 199
After starting vi to edit an existing text file, you press 'A' (shift +a). This will let you:

A. Insert text at the end of the current file.
B. Insert text at the end of the current sentence.
C. Insert text after your current cursor position.
D. Insert text at the end of the file.
E. Insert text at the end of your current paragraph.

Answer: B

QUESTION NO: 200
You are writing text in vi. Now you want to save your changes and exit.
Which two sequence of inputs will accomplish this?

A. esc XX
B. ctrl :w!
C. esc zz
D. esc :wq!
E. ctrl XX

Answer: D

QUESTION NO: 201
Which of these commands would report how many total accounts (including special accounts) there are?

A. `count /etc/passwd`
B. `nl /etc/passwd | head`
C. `wc --users /etc/passwd`
D. `wc --lines /etc/passwd`
E. `expand --lines /etc/passwd`

Answer: D

QUESTION NO: 202
What command could be used to get a hierarchical view of all the processes running on the system without requiring your to provide any switches or options?

Answer: top

QUESTION NO: 203
You run the following commands:

```
[user@prompt]$ nice -n 1 program1
[user@prompt]$ nice -n 5 program2
[user@prompt]$ nice -n 10 program3
```

Which of the program started will have the highest priority?

A. program1
B. program2
C. program3

Answer: A

QUESTION NO: 204
You have a SCSI system with five SCSI hard disks. You add another SCSI har disk to your system and the system no longer boot, nor is the bootloader loaded.
What is the most likely cause of this problem?

A. There are too many devices on the chain.
B. The boot disk needs a different SCSI ID,
C. The new disk is conflicting with the SCSI adapter.
D. The new SCSI drive is conflicting with the IDE boot drive.
E. The new SCSI drive needs a different SCSI ID.

Answer: E

QUESTION NO: 205
You want to redirect the last 30 lines of a file to another file.
What single command would best fit your needs?

Answer: tail
Explanation: exact is: `tail *n30 "file name"`

QUESTION NO: 206
What symbol can be placed at the end of a line to indicate that the command continues on the next line?

A. /
B. \
C. ;

D. |
E. :

Answer: B

QUESTION NO: 207
Which two programs will allow you to change the priority of a program already running? (Choose two)

A. top
B. nice
C. niceit
D. renice
E. chnice

Answer: B, D

QUESTION NO: 208
Which command removes all subdirectories in `/tmp`, regardless of whether they are non-existent or in use?

A. del /tmp/*
B. m –rf /tmp
C. rm –Ra /tmp/*
D. rm –rf /tmp/*
E. delete /tmp/*,*

Answer: D

QUESTION NO: 209
The _____ command is typically used to search files for a specified string.

Answer: grep

QUESTION NO: 210

What utility would use to remove/display columns from each line of a file?

A. pwd
B. col
C. cut
D. tail
E. extract

Answer: C

QUESTION NO: 211
After executing the following command line, what will be the contents of the file `myout.txt`?
`echo \"test king\" | cat > myout.txt`

A. Test kinG
B. "test king"
C. test king cat
D. the file is empty

Answer: B

QUESTION NO: 212
You are writing a script to automate some tasks. You would like to be able to have a log of everything that you see printed to your console, yet you want to be able to see the output on the console as well. What textutils command would typically be used to accomplish this?

Answer: tee

QUESTION NO: 213
Which line below would count the total number of lines with the word "testking" in `/var/log/maillog`?

A. `wc -l 'testking /var/log/maillog'`
B. `for "testking" in [maillog (count) +1]`
C. `wc -l /var/log/maillog | grep 'testking'`
D. `cat /var/log/maillog | grep 'testking' | wc -l`
E. `cat /var/log/mailog | grep 'testking' | wc -r`

Answer: D

QUESTION NO: 214
In the command 'test < king | testking'.

A. The stdout from the command **testking** is saved to the file `test`.
B. The stdout from the command **test** is saved to the file `testking`.
C. The command **testking** receives its stdin from the stderr of **test**.
D. The command **testking** receives its stdin from the stdout of **test**.
E. The command **king** receives its stdin from the contents of the file `testking`.

Answer: D

QUESTION NO: 215
The _____ daemon is needed to establish a PPP link to another computer?

Answer: ppd

QUESTION NO: 216
To keep a process running after you logged out, you start it with the command:

A. nohup
B. fg
C. live
D. sh

Answer: A

QUESTION NO: 217
To locate all files that are less than 3 days old, you use the _____ `-mtime -3` command.

Answer: find

QUESTION NO: 218
How can you generate a report on disk usage and quotas for all filesystems which are defined in `/etc/mtab` to be read-write with quotas.

A. quotarep –a
B. repquota /dev/hd*
C. repquota –a
D. quotarep /dev/hd*

Answer: C

QUESTION NO: 219
You have a Linux system with a 100GB ext2 partition containing large amounts of data. To minimize the boot time, you decide to convert it to a journaling filesystem.
Which journaling file system would be easiest to convert the partition to (without destroying existing data)?

A. resiserfs
B. vfat
C. ext3
D. xfs

Answer: C

QUESTION NO: 220
If you set the umask to 022, by default what permissions will your files have?

A. 0220
B. 0557
C. 0644
D. 0755

Answer: C

QUESTION NO: 221
What type of information is found in the `/etc/fstab` file?

A. Information about mounted filesystems.
B. Information about hard disks such as cylinders and heads.

C. Information about filesystems and mount points.
D. Information about filesystems types such as super block offset
E. Information about the consistency of each currently mounted filesystem.

Answer: C

QUESTION NO: 222
You installed a new experimental kernel and found that one of your ext2 partitions no longer functions. You tried unsuccessfully to repair it.
What program can you use to interactively debug the filesystem?

A. e2fsck
B. tune2fs
C. debugfs
D. tine2fs
E. dumpe2fs

Answer: C

QUESTION NO: 223
You want to make sure certain directories are excluded when you update your locate database file. Where would you typically store this configuration?

A. /etc/locatedb.conf
B. /etc/slocatedb.conf
C. /etc/searchdb.conf
D. /etc/updatedb.conf

Answer: D

QUESTION NO: 224
What would cause a system to report having excess free space but very few available inodes?

A. Too many hard links are in use on `/home`.
B. A user has created many very small files.
C. **fsck** hasn't been run on `/home` in a while.
D. Too many symbolic links are in use on `/home`.
E. The disk needs to be synced before running **df**.

Answer: D

QUESTION NO: 225
Which of the following commands may be used to view PCI devices seen by the Linux kernel? (Choose two)

A. less lspci
B. less /dev/pci
C. less /proc/pci
D. less /proc/devices/pci
E. lspci | less

Answer: C, E

QUESTION NO: 226
Which entry in `/etc/fstab` will allow any user to mount and unmount `/dev/cdrom`?

A. /dev/cd rom /cd ro,noauto,unhide, all iso9660 0 0
B. /dev/cdrom /cd iso9660 ro,noauto,nonroot 0 0
C. /dev/cdrom /cd iso9660 ro,user,noauto,unhide 0 0
D. /dev/cdrom /cd iso9660 ro,user,noauto,unhide 0 0
E. /dev/cdrom /cd iso9660 ro,noauto,defaults 0 0

Answer: C

QUESTION NO: 227
You have the following file:

```
-rwxrwxr-x   1 foo   root        0 Feb 23 07:48 /bin/foo
```

Which of the following commands will change the owner of the file /bin/foo from the *foo* user to the *bar* user without affecting group ownership?

A. chown /bin/foo bar
B. chown bar /bin/foo
C. chown bar.foo /bin/foo
D. chown.foo.bar /bin/foo

Answer: C

QUESTION NO: 228
Which of the following programs can be used to the find the foo program in the PATH and associated man pages, but not list every file containing *foo* on the system?

A. which
B. search
C. slocate
D. where
E. whereis

Answer: A

QUESTION NO: 229
What does the command "`ln test king`" typically do?

A. It will create a symbolic link from test to king.
B. It will create a hard link from king to test.
C. It will create a symbolic link from king to test.
D. It will create a copy of the file test in king.

Answer: B

QUESTION NO: 230
You are preparing to mount a new ext3 partition.
What command would you use to check the filesystem for errors before mounting it? (Include only the command without path, options, or arguments)

Answer: e2fsck

QUESTION NO: 231
What utility is used to verify the integrity of a filesystem? (Do not specify path or parameters)

Answer: fsck

QUESTION NO: 232
Your unmask is set to 002. If you create a new file, what will the permission of the new file be?

A. –rw-rw-r--
B. rwxrwx-w-
C. ------w-
D. rwxrwxr-x

Answer: A

QUESTION NO: 233
What must be added to the following to enable group quotas for `/usr`?

```
/dev/hda2      /usr      ext2      defaults     1       1
```

Answer: grpquota

QUESTION NO: 234
You have just set up the X Display Manager.
What file is typically used as the primary configuration file for XDM?

A. xdm.config
B. XF86Config
C. xdm.conf
D. Xsetup
E. xdm-config

Answer: E

QUESTION NO: 235
You are the administrator for all desktop systems at your company. You do not have a desktop standard and the users are free to use any window manager they choose.
Which of the following methods would be easiest to add a menu item to all users' main menu?

A. There is no easy solution to this problem.
B. Use rsync to synchronize all menus with a central server.
C. Write a script that adds the menu item and have users run it.
D. Add the changes to the /etc/default/main-menu configuration file.
E. Use your package manager to upgrade all the packages at once.

Answer: C

QUESTION NO: 236
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 the most likely cause 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.O compliant.
D. There is a USB resource conflict.

Answer: B

QUESTION NO: 237
You have a choice to be tested on EITHER the RPM or Debian package manager. Both are scored equally and have the same number of questions. You MUST choose of the following:

A. RPM
B. Debian

Answer: Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 238
Which IRQ is normally dedicated to the second printer port on a PC?

A. LPT1
B. LPT2
C. IRQ5
D. IRQ11
E. DMA 330

Answer: C

QUESTION NO: 239

You want to limit the amount of disk space ordinary users can have to 5MB per user in / var / spool / mail and 10MB per user in / home, using quota. What steps do you need to take when partitioning the hard drive?

A. Make a partition for / var / spool / mail and another one for / home.
B. Use qfdisk instead of fdisk to create the partitions and activate quotas.
C. No special steps are required. /var/ spool/ mail and / home can be part of the / partition.
D. Make one partition for both /home, then later on add a symlink for / var / spool / mail that points to that partition.
E. Use fdisk to make partition for / var / spool / mail and / home, then use the "u" option to tum on per-user quotas.

Answer:

QUESTION NO: 240
The command for most applications to install compiled source via the Makefile is:

A. make
B. install
C. configure
D. make depend
E. make install

Answer: E

QUESTION NO: 241
Which of these commands will list the shared libraries used by the KDE application kpanel?

A. ldd kpanel
B. /usr/lib kpanel
C. kdd / opt/ kde/ bin/kpanel
D. ldd / opt/ kde/ bin/kpanel
E. ldconfig / opt/ kde/ bin/ kpanel

Answer: D

QUESTION NO: 242
What dose the command cd~foo do?

A. It will take you to the ~foo directory.
B. It will create the foo directory and change to it
C. It will take you to the home directory of the user "foo"
D. It will change the directory to the system foo directory.
E. It will change to the foo directory in your home directory.

Answer: E

QUESTION NO: 243
You run following commands:

```
[user@prompt]$ nice –n 1 program1
[user@prompt]$ nice –n 5 program2
[user@prompt]$ nice –n 10 program3
```

Which of the program started will have the highest priority?

A. program 1
B. program 2
C. program 3

Answer: A

QUESTION NO: 244
You have a file with the following contents:

```
allan
bart
ceasar
alicia
beatrice
Cecilia
```

What single command could you use to list the file contents in reverse order? Please include only the command without options or arguments.

Answer: tac

QUESTION NO: 245

Which of the following programs can be used to find the foo program in the PATH and associated man pages, but NOT list every file containing foo in the system?

A. which
B. search
C. slocate
D. where
E. whereis

Answer: E

QUESTION NO: 246
How can you generate a report on the disk usage and quotas for all filesystem which re defined in .etc/mtab to be read-write with quotas?

A. quotarep –a
B. repquota /dev/hd*
C. repquota –a
D. quotarep /dev/hd*

Answer: C

QUESTION NO: 247
According to version 2.2 of the Fliesystem Hieratchy Standard, which of the following is an optional directory in / (the root firesystem)?

A. /boot
B. /tmp
C. /mnt
D. /home
E. /var

Answer: C

QUESTION NO: 248
Which series of programs and scripts most closely defines a standard X Window System startup process as executed from a character-mode console?

A. kde -> kdm -> Xdefaults -> Xclients

B. startx -> Xclients -> Xsession -> fvwm
C. startx -> xinitrc -> Xclients -> xinit
D. startx -> xinit -> xinitrc -> Xclients
E. xinit -> Xsession -> startx -> Xclients

Answer: D

QUESTION NO: 249
Your Linux machine has 2 monitors. Your second monitor is configures as the second screen of the first display. If you want the "netscape" program to be displayed on your second monitor, what command should you use before starting nescape?

A. export set display=:10; netscape
B. export set DISPLAY=:0:0; netscape
C. export set DISPLAY=:0:1; netscape
D. export set DISPLAY=:1:0; netscape

Answer: D

QUESTION NO: 250
What environment variable will remote X application check to see which X server it should send output to?

Answer: DISPLAY

QUESTION NO: 251
You have just set up the KDE Display Manager as your default display manager. What file should you edit to change the default greeting?

A. prefdm
B. XF86config
C. Kdmrc
D. Kdm.conf

Answer: C

QUESTION NO: 252
In XF86Config 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

QUESTION NO: 253
You are the system administrator for a small consulting company. One of your consultants recently installed Linux on a system in order to prepare for a project. What he performed the installation, he chose several different screen sizes (604x480, 800x600, 1024x768). However, when he starts the system, it always goes into 640x480 first, and he must manually toggle to get to the higher resolution. He would like to change the setup so that he enters X at the higher resolution first.
If you were to change this setting manually, which file would you edit?

A. xinit
B. xinitrc
C. XF86Setup
D. XF86Setup
E. XF86Config

Answer: E

QUESTION NO: 254
You just added another supported PCI Network Interface Card (NIC) to your PC, but are not able to activate it in Linux. Using tools available in Linux operating systems, you notice that the NIC is not seen by the kernel. What is most likely to be the source of the problem?

A. The NIC is not seen within /proc/pci.
B. Resource conflicts are not allowing NIC be initialized.
C. You have not made the appropriate entries to /proc/interrupts and /proc/ioports
D. You did not turn off "PnP OS" in the PC BIOS.
E. The NIC is conflicting with the video adapter.

Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 255
You have just upgraded your PC to a 60 gigabyte IDE drive. While partitioning the drive, you notice that only 32 gigabytes are available. Which of the following will most likely allow you to use the entire drive?

A. Create two smaller partitions of 30 gigabytes each.
B. Set the PC BIOS to use LBA mode.
C. Create a partition that resides entirely below the first 1024 cylinders.
D. Use GRUB or the latest version of LILO as a bootloader.
E. Upgrade he PC BIOS to the latest version available.

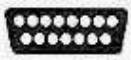
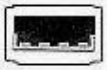
Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 256
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 no available in Linux.

Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 257
Which of the following most likely represents a SCSI connector?

A.
B. 
C.
D.
E. 

Answer: C

QUESTION NO: 258
A typical I/O address for a sound card is:

A. IRQ 7
B. 0x220
C. 27210
D. COM2
E. 0xd800

Answer: B

QUESTION NO: 259
What command would help you identify the I/O address range being used by the network card?

A. cat/proc/modules
B. cat/proc/devices
C. cat/proc/meminfo
D. cat/io/dma
E. cat/proc/ioports

Answer: E

QUESTION NO: 260
What program is needed to establish a PPP link to another computer?

A. pppd
B. wvdial
C. papd
D. kppp

Answer: D

QUESTION NO: 261
Tamika is planning the partition table for her new workstation. Assuming she will give each of the following directories its own partition, which partition should be the largest?

A. /usr
B. /lib
C. /root
D. /bin

Answer: A

QUESTION NO: 262
Where can lilo place boot code?

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

Answer: D

QUESTION NO: 263
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 and 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. Your 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

QUESTION NO: 264
What file is read by the program ldconfig?

A. /lib/ld.so
B. /etc/ld.so.conf
C. /etc/ld.so.cache
D. /etc/modules.conf

Answer: B

QUESTION NO: 265
You are building a server that will have many hardware and operating system upgrades. The server is the file server for all users on your 100 user network. Which directory should its own mountpoint and/or hard drive?

Answer: /home

QUESTION NO: 266
You are building that what will be a busy email and web server. You have plenty of space on a hardware RAID device. You are concerned about heavy log activity causing problems. Which directory should you give its own partition?

Answer: /var

QUESTION NO: 267
You are installing a program that is only available as source code. Which of the following commands would be best to add system specific configuration information such as the default installation directory?

A. ./make
B. ./install
C. ./makefile
D. ./configure

Answer: D

QUESTION NO: 268
Which of the following is very important when installing from source code (Check TWO that apply)?

A. Read all documentation included with the source code.
B. Reboot after installing all programs.
C. Manually check to see if all dependencies are met.
D. Use rpm or dpkg go verify the installation.
E. Do not install binaries as the root user.

Answer: A, C

QUESTION NO: 269
The command for most applications to install compiled source via the Makefile is _____.

A. Makefile install
B. Make install
C. ./install
D. install makefile

Answer: B

QUESTION NO: 270
You want to save vi changes to the file myfile with :w!, but vi complains it can not 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 –l myfile
B. :\ls –l myfile
C. esc :ls –l myfile
D. :?ls –l myfile

Answer: A

QUESTION NO: 271
You want to search the file myfile for all occurances of string containing at least five characters, where character number 2 and 5 are 'a' and character number 3 is NOT 'b'. Which command would you use?

A. grep a*^b*a myfile
B. grep .a[^b].a myfile
C. grep .[a].*.[a] myfile
D. grep .a*^b..a myfile

Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 272

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:

QUESTION NO: 273
What will the command cd ~ do?

A. Take you to the ~ directory
B. Take you to the sys directory.
C. Take you to your home directory.
D. Nothing, this command is invalid.

Answer: C

QUESTION NO: 274
What command is used to display a file in octal format?

Answer: od

QUESTION NO: 275
To convert all uppercase letters in stream to lowercase, pipe the stream into which command:

A. tr A-Z a-z
B. tac A-Z a-z
C. sed /A-Z a-z
D. sed –tolower
E. conv [A-Z] [a-z]

Answer: A

QUESTION NO: 276
What three letter command in Bash will display all environment variables?

Answer: env

QUESTION NO: 277
Which of the following would copy the file file1.txt to tile2.txt?

A. cp file1.txt | file2.txt
B. cat file1.txt | file2.txt
C. cat file1.txt > file2.txt
D. copy file1.txt | file2.txt
E. cat | file1.txt |file2.txt

Answer: C

QUESTION NO: 278
When the kill command is given with only the PID number of the process to kill (as in 'kill 1234'), this corresponds to which type of kill signal?

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

Answer: E

QUESTION NO: 279
file1 and file2 are text files in your local directory.
file1 contains this:

allan
bart
ceasar
file2 contains this:
alicia
beatrice
Cecilia

What would the output of the following command be?
tac file1 file2

A. allan/ bart/ ceasar/ alicia/ beatrice/ cecilia
B. alicia/ beatrice/ cecilia/ allan/ bart/ ceasar
C. alicia/ beatrice/ cecilia/ ceasar/ bart/ allan
D. cecilia/ beatrice/ alicia/ ceasar/ bart/ allan
E. ceasar/ bart/ allan/ cecilia/ beatrice/ alicia

Answer: E

QUESTION NO: 280
To change the priority of a running process, you use the _____ command. (Specify command only with no options)

Answer: renice

QUESTION NO: 281
As root you have navigated to directory /B. You wish to move all of the files and directories from directory /A to directory /B. Which of the following options would be the most appropriate command line to execute this task?

A. cp /a/* .
B. mv –f /A/* .
C. mv –Rf /a/* .
D. cp –f /a/* ..
E. cp –rf /A/* /b/

Answer: B

QUESTION NO: 282
What program would you use to increase or decrease the priority of a command before it is executed?

Answer: nice

QUESTION NO: 283
What command returns the first few lines of a given file?

Answer: head

QUESTION NO: 284
To send input to both stdout AND a file, you use the _____ command.

Answer:

QUESTION NO: 285
What command would execute cmd1 followed by cmd2, regardless of the exit status of cmd1?

A. cmd1 cmd2
B. cmd1 | cmd2
C. cmd1 ; cmd2
D. cmd1 && cmd2
E. cmd1 || cmd2

Answer: C

QUESTION NO: 286
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 named by the environment variable TEST.

Answer: B

QUESTION NO: 287
What is the disadvantage of using the command kill –9 ?

A. A core dump file will be created.
B. It affects the entire process group.
C. It makes excessive use of system resources.
D. The action can be blocked by buggy or malicious processes.
E. The affected process is unable to clean up before exiting.

Answer: E

QUESTION NO: 288
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/ leter < newletter
C. sed 's/bob/Bob/' letter> newletter
D. sed 's/bob/Bob/' letter > newletter
E. sed 's/bob, Bob/' letter > newletter

Answer: C or D (They are the same)

QUESTION NO: 289
Which of the following commands would display the lines containing capital letters form the file "turkey.txt"?

A. cat turkey.txt|wc -|
B. grep –n [A-Z] turkey.txt
C. cat turkey.txt|wc –w [A-Z]
D. grep –v [A-Z] < turkey.txt
E. for [A-Z] in turkey.txt | count

Answer:

QUESTION NO: 290
What is the proper option to put in /etc/fstab to enable group quotas for a particular parition?

A. groupquota
B. grpquota
C. groupquoatas

D. grpquotas

Answer: B

QUESTION NO: 291
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: B

QUESTION NO: 292
You are preparing to mount a new ext3 partition that is the second partition on your first IDE drive. How can you check the integrity of the filesystem first without having to answer "y" to a bunch of questions?

A. e3fsck –y /dev/hda2
B. e2fsck –y /dev/hda2
C. e3fsck –r /dev/hda2
D. e2fsck –r /dev/hda2

Answer: B

QUESTION NO: 293
What is the proper option to put in /etc/fstab to enable user quotas for particular partition?

A. usrquata
B. userquota
C. userquoatas
D. usrquotas

Answer: A

QUESTION NO: 294
What would the following line accomplish if run as root?
chown –R bert /home/bert/*

A. Nothing, this command is invalid.
B. It would rovoke bert's ownership of all files in /home/bert to bert.
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

QUESTION NO: 295
One of the lines in the output from the command 'ls –l/home/pomes' is:
drwxrwsr-x 3 devel poms 1024 Oct 22 16:28 foo
The output from the command groups bubba is:
bubba : bubba poms acts

If user bubba executes the command touch/home/poms/foo/bar, which TWO of the following must be true?

A. The group for /home/poms/foo/bar will be poms.
B. The owner for /home/poms/foo/bar will be devel
C. The owner for /home/poms/foo/bar will be bubba.
D. The group for /home/poms/foo/bar will be bubba.
E. The permissions for /home/poms/foo/bar will allow group read.

Answer:

QUESTION NO: 296
Which of the following commands makes /bin/foo executable by everyone but only writable by its owner?

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

Answer: D

QUESTION NO: 297
What TWO permissions must a user have in order to run a shell script?

A. read
B. write
C. execute
D. browse on the directory
E. users cannot run shell scripts

Answer: A, C

QUESTION NO: 298
What command (with parameter[s]) would you type to mount all partitions specified in the /etc/fstab?

Answer: Pending. Send your suggestion to feedback@testking.com

QUESTION NO: 299
Which command (without options) would you use to display how much space is available on all partitions?

Answer: df

QUESTION NO: 300
Which THREE of the following commands are used when setting up and accessing a new filesystem on the hard drive?

A. fsck
B. mkfs
C. mount
D. fdisk
E. format

Answer: B, C D

QUESTION NO: 301
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

QUESTION NO: 302
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: /bin

QUESTION NO: 303
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

QUESTION NO: 304
Which one of the following programs will only find files that are in your PATH?

A. locate
B. slocate
C. which
D. find

Answer: D

QUESTION NO: 305
According to the Linux File System Hierarchy Standard, which one of the following directories is shareable and for static application files?

A. /opt
B. /var
C. /var/log
D. /etc
E. /usr

Answer: D

QUESTION NO: 306
You are running X in networked environment. You

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Answer: linux 1
Alternative correct answers:
linux s
linux S
linux single

QUESTION NO: 49
You wish to know what the previous runlevel the system was in. Type in the command to show this.

Answer: runlevel

QUESTION NO: 50
What command will remove all files named core in the home directories of users (/home), that are more than 7 days old? Type in the simplest command that would do this, without any prompting to delete the files.

Answer: find /home -mtime +7 -name core -exec rm -f {} \;

QUESTION NO: 51
What is the variable name that holds the terminal capabilities variable, which is usually set to vt100? Type the variable exactly as it would be used at the command line.

Answer: $TERM

QUESTION NO: 52
You wish to cut the 3rd and 7th fields from a colon (:) delimited text file called 'mytestking' and display them on the screen. Type the command that would do this?

-

Answer: cut -d : -f 3,7 mytestking
Alternative correct answers:
cut -d: -f3,7 mytestking
cut -f3,7 -d: mytestking
cut -f 3,7 -d : mytestking

QUESTION NO: 53
You wish to find out the full path of the binary executable "cmd1". Type just the command that will show the first instance of the command.

Answer: which cmd1

QUESTION NO: 54
You wish to enable remote X access for the hosts: host1, host2 and host3.
Type in the command and any needed arguments to do this.

Answer: xhost +Host1 Host2 Host3

QUESTION NO: 55
You wish to move all files and directories from within /home/john to the directory /home/tessking.

Type in the command line that would do this?

Answer: mv /home/john/* /home/tessking
Alternative correct answer: mv /home/john/* /home/tessking/

QUESTION NO: 56
You wish to copy the full contents of the /home/tess directory and all subdirectories to the /home/king directory.

Type in the simplest command to do this.

Answer: cp -R /home/tess/* /home/king

QUESTION NO: 57
What must you type immediately after adding new fonts to an X window system, to make them available to the system?

Answer: mkfontdir

QUESTION NO: 58
Type in the command that would start an application to check for colour depth of an X window.

Answer: xwininfo

QUESTION NO: 59
What is the name of the point to point protocol daemon that is used when connecting with a modem?

Answer: pppd

QUESTION NO: 60
What is the name of the X configuration tool that runs in text mode from the command line, and has a large number of questions?

Answer: xf86config

QUESTION NO: 61
What is the name of the X configuration tool that runs in a simplified X-like environment?

Answer: XF86Setup

QUESTION NO: 62
What is the name of the X configuration tool that runs in graphical text mode?

Answer: Xconfigurator

QUESTION NO: 63
You have a package called debianpkg.deb and wish to convert it to an rpm.

Type the command line that will do this for you including switches.

Answer: alien -r debianpkg.deb
Alternative correct answer: alien --to-rpm debianpkg.deb

QUESTION NO: 64
You wish to install a package named package.deb using the apt-get tool. Type the simplest command line to do this.

Answer: apt-get install package.deb

QUESTION NO: 65
What is the name and full path to the location of the dpkg database?

Answer: /var/lib/dpkg

QUESTION NO: 66
Type in the command line to upgrade a package using the apt-get command. The package name is package1.

Answer: apt-get upgrade package1

QUESTION NO: 67
Type in the command to update the apt-get database with new or updated packages.

Answer: apt-get update

QUESTION NO: 68
What is the location including the full path to where apt-get stores its downloaded packages?

Answer: /var/cache/apt/archives

QUESTION NO: 69
You wish to install a debian package using dpkg called debianpackage.deb. Give the simplest command line to do this.

Answer: dpkg -i debianpackage.deb
Alternative correct answer: dpkg --install debianpackage.deb

QUESTION NO: 70
What file must be put in the root of a filesystem for quotas to be enabled for users?

Answer: quota.user
Alternative correct answer: aquota.user

QUESTION NO: 71
What command on an rpm-based system will upgrade any existing packages on a system, but not add any packages? Type just the command and switch(es).

Answer: rpm -F

QUESTION NO: 72
What command on an rpm-based system will upgrade any existing packages on a system, and add any packages needed? Type just the command and switch(es).

Answer: rpm -U

QUESTION NO: 73
Type only the name of the file or utility will show you the last system bootup messages.

Answer: dmesg

QUESTION NO: 74
What 3 letter command will show you the values set by the /etc/profile script file for the entire system?

Answer: env

QUESTION NO: 75
What 3 letter command will show you the values set by the /etc/bashrc script file for the entire system?

Answer: set

QUESTION NO: 76
You are the root user of a system, and need to gather quota information about all users on the system. Type the command along with any options and arguments to accomplish this.

Answer: repquota -a

QUESTION NO: 77
On a standard Linux system as a normal user, what umask value will cause your file to be created with the following permissions ?

```
drwxr-x---      2 username group        512 Mar  6 11:16   dir1
-rw-r-----       1 username group          0 Mar  6 11:16    file1
```

Answer: 027
Alternative correct answer: 0027

QUESTION NO: 78
A file named "testking1" is set with the following ownership:

Owner = foo
Group = bar

You want to change this file's ownership to be totally owned by foobar, what command string will accomplish this?

Answer: chown foo.bar testking1
Alternative correct answer: chown foo:bar testking1

QUESTION NO: 79
You are experiencing errors and strange occurrences on an Ext2 filesystem, and want to debug it's operations. Type just the command that will most directly accomplish this.

Answer: debugfs

QUESTION NO: 80
You are the system administrator for an X server, and experience attempts to initiate an unathorized session from host21. What command with options and arguments would deny access only to host21 for X sessions?

Answer: xhost -host21

QUESTION NO: 81
What command or option will allow a program to continue operations after the invoking user has logged out of the system? Type just the answer.

Answer: nohup

QUESTION NO: 82
What is the name and full path of the file that contains the system wide Environment variables and Startup programs?

Answer: /etc/profile

QUESTION NO: 83
Type just the name of the file in a normal user's home directory that will set their local user environment and startup programs on a default Linux system.

Answer: **.bash_profile**

QUESTION NO: 84
On a default Linux system, what is the name of the file that sets users aliases and functions?

Answer: .bashrc

QUESTION NO: 85
What is the name and full path of the file that contains the system wide aliases and functions for the default Linux shell?

Answer: /etc/bashrc

QUESTION NO: 86
What is the name of the file that runs on user logout, usually set to clear the screen?

Answer: .bash_logout

QUESTION NO: 87
You are in your home directory. You have made changes to your .bash_profile and incorporated a modified PATH variable. Type in the command that will reread the .bash_profile and set the changes you have made.

Answer: source .bash_profile
Alternative correct answer: . .bash_profile

QUESTION NO: 88
You wish to set your shell options so that the output from a redirect will NOT overwrite an existing file. Type the command including switches.

Answer: set -o noclobber

QUESTION NO: 89
You wish to turn off the shell option that stops you overwriting exisiting files. Type the command in that will do this including switches.

Answer: set +o noclobber

QUESTION NO: 90
You wish to list all files within your current working directory that are of the type ASCII, showing just a single line for each of those files. Type in the command string that would accomplish this.

Answer: file * | grep ASCII
Alternative correct answer: file * | grep -i ascii

QUESTION NO: 91
You wish to configure your soundcard. Type in the name of the Red Hat text/gui application that allows you to set/autodetect the sound card?

Answer: sndconfig

QUESTION NO: 92
You wish to find out more information on a file e.g. Last accessed, Modified changed, Inode. What is the simplest command that would show this information for a file called tessking?
-

Answer: stat tessking

QUESTION NO: 93
You wish to copy the entire contents of the /dev/hda1 to /dev/hdb1 block by block. Type in the simplest command that would do this?

Answer: dd if=/dev/hda1 of=/dev/hdb1

QUESTION NO: 94
You have a floppy image called boot.img in your current working directory and wish to transfer this image to a floppy device /dev/fd0. Type in the simplest command that would do this?

Answer: dd if=boot.img of=/dev/fd0

QUESTION NO: 95
What command should you use to create an ext2 file system:

Answer: mke2fs
Explanation: According to the technical information available at Linux From Scratch Ver 3.0, To create an ext2 file system, use the mke2fs command. The LFS partition is used as the only option to the command and the file system is created.<p>mke2fs /dev/xxx<p>Replace "xxx" by the partition's designation (like hda11).

QUESTION NO: 96
Which file holds information about the IRQ channels in use:

Answer: /proc/interrupts
Explanation: /proc/interrupts holds IRQ channels. /proc/ioports holds I/O memory addresses.
/proc/dma holds DMA channels.

QUESTION NO: 97
Which file holds information about the I/ addresses in use:

Answer: /proc/ioports
Explanation: /proc/interrupts holds IRQ channels. /proc/ioports holds I/O memory addresses.
/proc/dma holds DMA channels.

Note:
Section A contains 321 questions
Section B contains 97 questions
The total number of questions is 418.
Each section starts with QUESTION NO :1. There are no missing questions.