

1. Which tool is used to configure a sound card device?
 - A. sndconf
 - B. sndconfig
 - C. soundconf
 - D. soundconfig

2. Which file holds the Plug-and-Play configuration information?
 - A. /etc/pciinp.conf
 - B. /etc/npn.conf
 - C. /etc/rc.d/init.d/isapnp
 - D. /etc/isapnp.conf

3. Drivers reside in which environment?
 - A. Kernel space
 - B. Device space
 - C. Application space
 - D. User space

4. How can you view the used IRQs on a system?
 - A. cat /etc/interrupts
 - B. cat /proc/irq
 - C. cat /proc/interrupts
 - D. echo 1 > /proc/interrupts

5. Which type of modems are not traditionally supported under Linux?
 - A. Winmodem
 - B. 3Com
 - C. PCI
 - D. PCMCIA

6. Which platforms does Linux currently support?
 - A. Intel x86
 - B. Sun SPARC
 - C. Compaq Alpha
 - D. All of the above

7. Linux requires a graphical video card with at least 2MB of memory.
 - A. True
 - B. False

8. How many primary partitions can you have on a hard disk?

- A. 4
- B. 8
- C. 16
- D. 32

9. Which shell is the default shell used on Linux systems?

- A. csh
- B. rsh
- C. bash
- D. tcsh

10. Which file contains the available shells for the system?

- A. /etc/passwd
- B. /etc/command
- C. /etc/bash
- D. /etc/shells

11. What is not a correct format for entering commands at the command line?

- A. command
- B. command options
- C. command arguments options
- D. command options arguments

12. Multiple commands can be entered on the same command line when separated by which character?

- A. .
- B. ;
- C. ,
- D. \

13. Which key combination is used to allow a command to span multiple lines?

- A. ""
- B. \ Enter
- C. / Enter
- D. Tab-Enter

14. Which key, when pressed once, is used to provide command completion at the command line?

- A. Tab
- B. Esc
- C. Enter
- D. Ctrl

15. Which key, when pressed twice, is used to provide command completion at the command line?

- A. Tab
- B. Esc
- C. Enter
- D. Ctrl

16. Which environment variable is used to customize the shell prompt?

- A. PS1
- B. prompt
- C. shell
- D. display

17. Which file contains the assignment of user's home directories?

- A. /etc/home
- B. /etc/profile
- C. /etc/passwd
- D. /etc/users

18. Which command displays a listing of previously entered commands?

- A. commands
- B. review
- C. history
- D. export

19. Which command allows you to use the default editor to edit several commands from the history file?

- A. history
- B. edit
- C. fc
- D. view

20. It is possible to run commands that are not located in a directory listed in the PATH if you know the full path and command name.

- A. True
- B. False

21. Which utility is used to provide a total count of all lines in a file?

- A. nl
- B. ln
- C. wc
- D. tr

22. Which utility would be easily used to replace all lowercase letters in a file with uppercase letters?

- A. cut
- B. sed
- C. tac
- D. tr

23. Which of the following is used to verify that a file is alphabetized?

- A. sort -c
- B. sort -d
- C. sort -v
- D. sort -m

24. The _____ utility can provide information used for troubleshooting by saving output piped into another command.

25. The * symbol used in regular expressions works the same as the * wildcard used at the shell prompt.

- A. True
- B. False

26. Which of the following should surround regular expressions to ensure that they are processed properly?

- A. parentheses
- B. backslashes
- C. double quotation marks
- D. single quotation marks

27. Which directory contains the root user's home directory?

- A. /home
- B. /root
- C. /sbin
- D. /usr

27. Which of the following represents read, write, and execute permissions for owner and read and execute for all others?

- A. 755
- B. 022
- C. 733
- D. 557

28. Which umask would create the default file permissions of read, write, and execute permissions for owner and read and execute for all others?

- A. 755
- B. 022

C. 220
D. 002

29. Which command is used to change permissions of a file?

- A. chown
- B. chperm
- C. chgrp
- D. chmod

30. Which command is used to display the unix version

- A) uname -r
- B) uname -n
- C) uname -t
- D) kernel

31. Which command is used to print a file

- a) print
- b) ptr
- c) lpr
- d) none of the mentioned

32. Using which command you find resource limits to the session?

- a) rlimit
- b) ulimit
- c) setrlimit
- d) getrlimit

33. Which option of ls command used to view file inode number

- a) -l
- b) -o
- c) -a
- d) -i

34. Find / -name '*' will

- a) List all files and directories recursively starting from /
- b) List a file named * in /
- c) List all files in / directory
- d) List all files and directories in / directory

35. Which command is used to display the octal value of the text

- a) octal
- b) text_oct
- c) oct
- d) od

36. Which command is used to view compressed text file contents

- a) cat
- b) type
- c) zcat

d) print

37. Which command changes a file's group owner

- a) cgrp
- b) chgrp
- c) change
- d) group

38. Which command is used to extract intermediate result in a pipeline

- a) tee
- b) extract
- c) exec
- d) none of the mentioned

39. Which command is used to extract a column from a text file

- a) paste
- b) get
- c) cut
- d) tar

40. Which command is used to display disk consumption of a specific directory

- a) du
- b) ds
- c) dd
- d) dds

41. Which command is used to perform backup in unix?

- a) backup
- b) cpio
- c) zip
- d) gzip

42. Which command creates an empty file if file does not exist?

- a) cat
- b) touch
- c) ed
- d) read

43. Which option of rm command is used to remove a directory with all its subdirectories

- a) -b
- b) -o
- c) -p
- d) -r

44. Which command is used to identify file type?

- a) Type
- b) File
- c) Finfo
- d) Info

45. Command used to determine the path of an executable file is
- a) which
 - b) where
 - c) wexec
 - d) what
46. Command used to count number of character in a file is
- a) grep
 - b) wc
 - c) count
 - d) cut
47. Which of these commands could you use to show one page of output at a time?
- a) less
 - b) sed
 - c) pause
 - d) grep
48. Which commands will give you information about how much disk space each file in the current directory uses?
- a) ls -l
 - b) ls -la
 - c) du
 - d) ls -a
49. Which of the following command output contains userid?
- a) ls
 - b) help
 - c) date
 - d) ls -l
50. Which command is used to display all the files including hidden files in your current and its subdirectories ?
- a) ls -aR
 - b) ls -a
 - c) ls -R
 - d) ls -l
51. Which of the following commands can be used to copy files across systems?
- a) ssh
 - b) telnet
 - c) rsh
 - d) ftp
52. pwd command displays
- a) user password
 - b) password file content
 - c) present working directory
 - d) none of the mentioned

53. Which of the following commands can be used to change default permissions for files and directories at the time of creation

- a) Chmod
- b) Chown
- c) Umask
- d) Chgrp

54. Which tar command option is used to list the files in a tape archive format?

- a) cvf
- b) tvf
- c) xvf
- d) ovf

55. Which of the following commands will allow the user to search contents of a file for a particular pattern

- a) touch
- b) grep
- c) find
- d) ls

56. Write the command to display the current date in the form dd/mm/yyyy.

- a) date +%d/%m/%Y
- b) date +"%d/%m/%Y"
- c) date +%d/%m/20%y
- d) date +"%d/%m/20%y"

57. The command syntax to display the file 'sample.txt' one page at a time is

- a) man sample.txt>more
- b) cat sample.txt<more
- c) cat sample.txt|more
- d) none of the mentioned

58. Which one shows the name of the operating system?

- a) uname -n
- b) uname -r
- c) uname -o
- d) uname -m

59. How do you add (append) a file "file1" to the example.tar file

- a) no you cannot add a file to example.tar
- b) tar -cvf example.tar file1
- c) tar -rvf file1 example.tar
- d) tar -evf file1 example.tar

60. How to execute ls command inside a vi editor?

- a) !ls
- b) :ls
- c) :!ls
- d) we can't execute

61. Which command gives the first byte where the difference is in the file1 & file2?
- a) diff
 - b) cmp
 - c) comm
 - d) ls -a
62. To open a file file1 with cursor at line number 4
- a) vi +num file1
 - b) vi +set num file1
 - c) vi + "set num" file1
 - d) vi +/se nu file1
63. sed is a command typically used for
- a) Perform complex calculations
 - b) Perform FIFO based non-blocking I/O
 - c) Modify/print selective contents of a file
 - d) None of the mentioned
64. What communication command provides communication to another user logged on by writing to the bottom of their terminal?
- a) talk
 - b) write
 - c) chat
 - d) transmit
65. Which screen manipulation command sets the screen back to normal?
- a) tput cup
 - b) tput smso
 - c) tput rmso
 - d) tput blink
66. Which command will you use to see the available routes?
- a) show route
 - b) route status
 - c) netstat -r
 - d) none of the mentioned
67. Which option of rmdir command will remove all directories a, b, c if path is a/b/c
- a) -b
 - b) -o
 - c) -p
 - d) -t
68. Which represents the user home directory
- a) /
 - b) .
 - c) ..
 - d) ~

69. If a file is removed in Unix using 'rm' then

- a) The file can be recovered by a normal user
- b) The file cannot be recovered by a user
- c) The file can be fully recovered provided the system is not rebooted
- d) The file will be moved to /lost+found directory and can be recovered only by administrator's intervention

70. What command is used to copy files and directories?

- a) copy
- b) cp
- c) rn
- d) cpy

71. When mv f1 f2 is executed which file's inode is freed?

- a) f1
- b) f2
- c) new inode will be used
- d) no inode is freed

72. Any file's attribute information is stored in which structure on the disk

- a) Inode
- b) Data blocks
- c) File blocks
- d) Directory file

73. When you use the ln command, which of the following occurs?

- a) a file is created that points to an existing file
- b) a file is created that is a copy of an existing file
- c) a file is moved from one location to another
- d) a file is renamed

74. srwxr-xrw- is a

- a) internet socket file
- b) unix domain socket file
- c) symbolic link
- d) shared file

75. Binary or executable files are:

- a) Regular files
- b) Device files
- c) Special files
- d) Directory files

76. The directory file contains:

- a) File names & File Sizes
- b) File names & Inode Numbers
- c) File names & Address
- d) File names & Permissions

77. Which directory contain device special files?

- a) /etc
- b) /etc/dev
- c) /root/bin
- d) /dev

78. Which of the following is not a valid file type on Linux

- a) Socket
- b) Softlink
- c) Inode
- d) FIFO

79. Which of the following is not correct statement regarding file types?

- a) Hard links share same inode number
- b) Soft links cannot be created across partitions
- c) Socket files are Unix domain sockets
- d) Character file is a special file

80. Which are the two types of device files?

- a) Character & Block
- b) Character & Socket
- c) Block & FIFO
- d) Input & output

81. Which is an example for character special file?

- a) Hard disk
- b) CD-ROM
- c) Terminal
- d) Memory

82. Which is an example for block special file?

- a) Virtual Terminal
- b) CD-ROM
- c) Terminal
- d) Serial modem

83. All device files are stored in which directory?

- a) /etc
- b) /bin
- c) /dev
- d) /usr

84. The file permission 764 means:

- a) Every one can read, group can execute only and the owner can read and write
- b) Every one can read and write, but owner alone can execute
- c) Every one can read, group including owner can write, owner alone can execute
- d) Every one can read and write and execute

85. The permission -rwxr-r- represented in octal expression will be
- 777
 - 666
 - 744
 - 711
86. Effective user id can be set using following permission
- 0777
 - 2666
 - 4744
 - 1711
87. Effective group id can be set using following permission
- 0777
 - 2666
 - 4744
 - 1711
88. Sticky bit can be set using following permission
- 0777
 - 2666
 - 4744
 - 1711
89. The permission -rwSr-r- represented in octal expression will be
- 0777
 - 2666
 - 4744
 - 4644
90. The permission -rwxr-sr- represented in octal expression will be
- 0777
 - 2766
 - 2744
 - 2754
91. If user tries to remove (rm) a readonly file (444 permission), what will happen?
- The file is removed successfully (and silently)
 - The rm command prompts for a confirmation, the command is successful upon confirmation
 - The rm command prompts for a confirmation, however the operation fails because of insufficient permissions
 - The rm command fails because of insufficient permissions
92. A user does a chmod operation on a file. Which of the following is true?
- The last accessed time of the file is updated
 - The last modification time of the file is updated
 - The last change time of the file is updated
 - None of the mentioned

93. If the umask value is 0002. what will be the permissions of new directory

- a) 777
- b) 775
- c) 774
- d) 664

94. What is the command to set the execute permissions to all the files and subdirectories within the directory /home/user1/direct

- a) `chmod -r +x /home/user1/direct`
- b) `chmod -R +x /home/user1/direct`
- c) `chmod -f -r +x /home/user1/direct`
- d) `chmod -F +x /home/user1/direct`

95. Which one of the following statement is not true?

- a) vim editor is the improved version of vi editor
- b) vi editor commands are not case sensitive
- c) vi editor has two modes of operation: command mode and insert mode
- d) vi stands for visual editor

96. Which command is used to close the vi editor?

- a) q
- b) wq
- c) both q and wq
- d) none of the mentioned

97. In vi editor, the key combination CTRL+f

- a) moves screen down one page
- b) moves screen up one page
- c) moves screen up one line
- d) moves screen down one line

98. Which vi editor command copies the current line of the file?

- a) yy
- b) yw
- c) yc
- d) none of the mentioned

99. Which command is used to delete the character before the cursor location in vi editor?

- a) X
- b) x
- c) D
- d) d

100. Which one of the following statement is true?

- a) autoindentation is not possible in vi editor
- b) autoindentation can be set using the command `':set ai'`
- c) autoindentation can be set using the command `':set noai'`
- d) autoindentation is set by default in vi editor

101. Which command searches the string in file opened in vi editor?

- a) / or ?
- b) f or F
- c) t or T
- d) none of the mentioned

102. In vi editor, which command reads the content of another file?

- a) read
- b) r
- c) ex
- d) none of the mentioned

103. Which command shows all the abbreviations in vi editor?

- a) ab
- b) abb
- c) show
- d) none of the mentioned

104. Which command sets the number for all lines?

- a) :set li
- b) :set ln
- c) :set nu
- d) :set nl

105. What is sed?

- a) a non-interactive stream editor
- b) an IDE
- c) a hex editor
- d) none of the mentioned

106. Sed maintains the hold space (a buffer) to

- a) copy the each line of input
- b) save the data for later retrieval
- c) copy the each line of input & save the data for later retrieval
- d) none of the mentioned

107. Which is the correct syntax for sed on command line?

- a) sed [options] '[command]' [filename].
- b) sed '[command]' [options] [filename].
- c) sed [filename] [options] '[command]'
- d) sed '[command]' [filename] [options].

108. If any sed command does not specify any address then the command is applied to

- a) each input line
- b) none of the input line
- c) last input line
- d) none of the mentioned

109. If no file is specified in sed command then

- a) sed command will not work
- b) sed reads from standard input
- c) sed reads the data already present in buffer
- d) it is necessary to provide the filename

110. Which sed command deletes the specified address range

- a) [address range]/s
- b) [address range]/p
- c) [address range]/d
- d) [address range]/y

111. Which command is used to replace word 'cat' (already present in the file) with 'mouse' at all places in a file 'old.txt' and save the result in a new file 'new.txt'?

- a) sed 's/cat/mouse/g' old.txt > new.txt
- b) sed 's/cat/mouse' old.txt new.txt
- c) sed '/s/cat/mouse/g' old.txt new.txt
- d) sed '/s/cat/mouse' old.txt > new.txt

112. Which command will delete all the blank lines in file old.txt?

- a) sed '/d' old.txt
- b) sed '/^/d' old.txt
- c) sed '/^\$/d' old.txt
- d) sed '/^*/d' old.txt

113. The command "sed -n '/sanfoundry/p' old.txt" will

- a) print the lines containing the word 'sanfoundry' in file old.txt
- b) delete the lines containing the word 'sanfoundry' in file old.txt
- c) will generate an error message
- d) none of the mentioned

115. Which option is used by sed to specify that the following string is an instruction or set of instructions?

- a) -n
- b) -e
- c) -f
- d) -i

117. What is a shell script?

- a) group of commands
- b) a file containing special symbols
- c) a file containing a series of commands
- d) group of functions

118. The first line in any shell script begins with a _____

- a) &
- b) !
- c) \$
- d) #

119. To run the script, we should make it executable first by using _____

- a) chmod +x

- b) chmod +r
- c) chmod +w
- d) chmod +rwx

120. To spawn a child of our own choice for running the script, we can use ___ command.

- a) ps
- b) pr
- c) sh
- d) \$\$

121. Which command is used for making the scripts interactive?

- a) ip
- b) input
- c) read
- d) write

122. Which command wait for the specified process to complete and return the exit status?

- a) sleep
- b) wait
- c) delay
- d) stop

123. Which command puts a script to sleep until a signal is received?

- a) sleep
- b) suspend
- c) disown
- d) break

124. What are positional parameters?

- a) special variables for assigning arguments from the command line
- b) pattern matching parameters
- c) special variables for reading user input
- d) special variables and patterns

125. The first argument is read by the shell into the parameter ___

- a) 1\$
- b) \$3
- c) \$\$
- d) \$1

126. The complete set of positional parameters is stored in _____ as a single string.

- a) \$n
- b) \$#
- c) \$*
- d) \$\$

127. Which of the following is used for storing the number of positional parameters?

- a) \$n
- b) \$#
- c) \$*
- d) \$2

128.The syntax for using && is _____

- a) cmd1 && cmd2
- b) cmd1 cmd2 &&
- c) cmd1 & cmd2&
- d) cmd1

129. To perform decision depending on the fulfillment of certain criteria, ____ is used.

- a) if
- b) else
- c) for
- d) if and else

130.Every if is closed with a corresponding ____

- a) else
- b) fi
- c) if
- d) else if

131.To check more than two conditions, ____ is used with if-else statements.

- a) while
- b) for
- c) elif
- d) for

132.The name of the script is stored in which special parameter?

- a) \$1
- b) \$0
- c) \$#
- d) \$*

133.To know the exit status of a command, we can use _____

- a) \$\$
- b) \$*
- c) \$?
- d) \$-

134.Which of the following is not a type of shell?

- a)The C Shell
- b) The Korn Shell
- c) The Bourne Shell
- d) The Perl Shell

135.What will be the output of \$date?

- A. Yesterday date
- B. Current date
- C. Current date and time
- D. Tomarrow date and time

136.The original Unix shell was written in the mid _____.

- A. 1960s
- B. 1970s
- C. 1980s
- D. 1990s

137.The original Unix shell was written by _____.

- A. Stephen R. Bourne
- B. Stephen R. Korn
- C. Stephen R. C.
- D. Stephen Watson

138.On a UNIX system, there can be ____ shells running simultaneously.

- A. 2
- B. 3
- C. 4
- D. Many

139.The prompt issued by the shell is called _____

- A. prompt
- B. command translator
- C. command prompt
- D. command executor

140.In UNIX there are ____ major types of shells.

- A. 2
- B. 3
- C. 4
- D. 5

141.What is the default symbol for command prompt in Bourne shell?

- A. !
- B. #
- C. \$
- D. @

142.Which shell is the most common and best to use?

- A. Korn shell
- B. C shell
- C. Bourne shell
- D. Bash Shell

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- c) sed [filename] [options] '[command]'
- d) sed '[command]' [filename] [options].

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- b) -e
- c) -f
- d) -i

149. Which of the following is not a valid option of uname?

- a) -a
- b) -s
- c) -v
- d) -z

150. What is the output of who command?

- a) display information about users who are currently logged in.
- b) display file hierarchy
- c) display administrator information
- d) display processes

151. What are meta-characters?

- a) special characters having predefined meaning to the shell
- b) special symbols
- c) shell symbols
- d) command symbols

152. Which command is used for displaying date in the format dd/mm/yyyy ?

- a) date +%m
- b) date +%h
- c) date +"%d/%m/%Y"
- d) date +"%h %m"

153. Which command is used as an alternative to echo command?

- a) ls
- b) printf
- c) wc
- d) ps

154. script command is used for _____

- a) recording history
- b) recording our session
- c) recording passwords
- d) recording scripts

155. Which command is used by the user to change their login password in UNIX?

- a) man
- b) reset
- c) passwd
- d) cp

156. Which command handles a character stream by duplicating its input?

- a) tree
- b) tee
- c) tty
- d) ls

157. When backspace doesn't work to erase characters, we can use _____

- a) ctrl-f
- b) ctrl-h
- c) ctrl-c
- d) ctrl-u

158. For interrupting a command, we can use _____

- a) ctrl-f
- b) esc
- c) ctrl-h
- d) ctrl-c

159. Which command is used for printing the current working directory?

- a) HOME
- b) cd

- c) pwd
- d) dir

160. Which command is used for changing the current directory?

- a) cd
- b) cp
- c) pwd
- d) rm

161. Which command is used for creating directories?

- a) rmdir
- b) mkdir
- c) cd
- d) cp

162. Sometimes we are unable to create a directory because _____

- a) the directory may already exist in the current directory
- b) there may be an ordinary file by the same name in the current directory
- c) the permissions set for the current directory does not allow the creation
- d) the directory may exist, there may be an ordinary file, the permissions set for the current directory does not allow the creation

163. If rmdir dir001 fails, what could be the reason(s)?

- a) dir001 doesn't exist
- b) dir001 is not empty
- c) permissions of dir001 doesn't allow to remove it
- d) dir001 doesn't exist, dir001 is not empty and permissions of dir001 doesn't allow to remove it.

164. What is an absolute pathname?

- a) pathname relative to a parent directory
- b) pathname relative to the root (/)
- c) pathname relative to parent and current directory
- d) pathname relative to the current directory

165. What is a relative pathname?

- a) pathname relative to parent directory
- b) pathname relative to root (/)
- c) pathname relative to parent and current directory
- d) pathname relative to current directory

166. Which of the following cryptic symbols are used in relative pathname?

- a) (.)
- b) (..)
- c) \$
- d) (.) and (..)

167. For moving two level up in the file hierarchy system using cd command once, we separate (..) by which symbol?

- a) ?
- b) \$
- c) *

d) /

168. Find / -name '*' will

- a) List all files and directories recursively starting from /
- b) List a file named * in /
- c) List all files in / directory
- d) List all files and directories in / directory

169. Command used to determine the path of an executable file is

- a) which
- b) where
- c) wexec
- d) what

170. Command used to count number of character in a file is

- a) grep
- b) wc
- c) count
- d) cut

171. Which of these commands could you use to show one page of output at a time?

- a) less
- b) sed
- c) pause
- d) grep

172. Which commands will give you information about how much disk space each file in the current directory uses?

- a) ls -l
- b) ls -la
- c) du
- d) ls -a

173. Which of the following command output contains userid?

- a) ls
- b) help
- c) date
- d) ls -l

174. pwd command displays

- a) user password
- b) password file content
- c) present working directory
- d) none of the mentioned

175. Which tar command option is used to list the files in a tape archive format?

- a) cvf
- b) tvf
- c) xvf
- d) ovf

176.Executing the 'cd ..' command when at the root level causes

- a) Error message indicating the user can't access beyond the root level
- b) Behavior is unix-flavor dependent
- c) Results in changing to the 'home' directory
- d) Nothing happens

177.How do you rename file "new" to file "old"?

- a) mv new old
- b) move new old
- c) cp new old
- d) rn new old

178.What command is used to copy files and directories?

- a) copy
- b) cp
- c) rn
- d) cpy

179.If two files on same partition point to the same inode structure they are called

- a) Soft links
- b) Hard links
- c) Alias
- d) Special files

180.A user creates a link to a file file1 using the following command "ln file1 file2". Which of the following is not true?

- a) file1 and file2 have the same inode numbers
- b) The number of links for file1 is displayed as 1
- c) The number of links for file1 is displayed as 2
- d) The number of links for file2 is displayed as 2

181.Deleting a soft-link

- a) Deletes the destination file
- b) Deletes both the softlink and the destination file
- c) Deletes just the softlink
- d) backup of the destination is automatically created

182.Which command is used to change permissions of files and directories?

- a) mv
- b) chgrp
- c) chmod
- d) set

183.Which of the following statement is true?

- a) The cp command will preserve the meta data of the file
- b) The sort command by default sorts in the numeric order
- c) The mv command will preserve the meta data of the file
- d) The command ps will display the filesystem usage

184. What UNIX command is used to update the modification time of a file?

- a) time
- b) modify
- c) cat
- d) touch

185. Which directory contains device special files?

- a) /etc
- b) /etc/dev
- c) /root/bin
- d) /dev

186. All device files are stored in which directory?

- a) /etc
- b) /bin
- c) /dev
- d) /usr

187. What is the command to set the execute permissions to all the files and subdirectories within the directory /home/user1/direct

- a) `chmod -r +x /home/user1/direct`
- b) `chmod -R +x /home/user1/direct`
- c) `chmod -f -r +x /home/user1/direct`
- d) `chmod -F +x /home/user1/direct`

188. Which command is used to assign read-write permission to the owner?

- a) `chmod a+r file`
- b) `chmod o+r file`
- c) `chmod u=rw file`
- d) `chmod og-r file`

189. With a umask value of 112, what is the default permission assigned to newly created regular file?

- a) `—x-x-wx`
- b) `-rw-rw-r-`
- c) `-r-xr-x-r-`
- d) `-rw-rw-r-`

190. Which of these commands will set the permissions on file textfile to read and write for the owner, read for the group, and nothing for everyone else?

- a) `chmod 046 textfile`
- b) `chmod 640 textfile`
- c) `chmod 310 textfile`
- d) `chmod rw r nil textfile`

191. Which command is used to mount file system read only.

- a) `mount -a`
- b) `mount -v`
- c) `mount -f`
- d) `mount -r`

192.If a program executing in background attempts to read from STDIN

- a) It is terminated
- b) It's execution is suspended
- c) STDIN is made available to it
- d) None of the mentioned

193.Which command can be executed by a user who is already logged into the system, in order to change to the root user? (type the command without any parameters)

- a) su
- b) root
- c) chroot
- d) user

194.What does the following command do ?

`who | wc -l`

- a) List the number of users logged in
- b) List the users
- c) List the number of users in the system
- d) Display the content of who command

195.create a new file “new.txt” that is a concatenation of “file1.txt” and “file2.txt”

- a) `cp file.txt file2.txt new.txt`
- b) `cat file1.txt file2.txt > new.txt`
- c) `mv file[12].txt new.txt`
- d) `ls file1.txt file2.txt | new.txt`

196.Which variable contains current shell process id

- a) \$*
- b) \$?
- c) \$\$
- d) \$!

197.Which command is used to debug a shell script program

- a) set
- b) set -x
- c) debug
- d) db

199.BASH shell stands for?

- a) Bourne-again Shell
- b) Basic Access Shell
- c) Basic to Advanced Shell
- d) Big & Advanced Shell

200.Which of these is the correct method for appending “foo” in /tmp/bar file?

- a) `echo foo > /tmp/bar`
- b) `echo foo >> /tmp/bar`
- c) `echo foo | /tmp/var`
- d) `/tmp/bar < echo foo`

201. Which variable is used to display number of arguments specified in command line

- a) \$0
- b) \$#
- c) \$*
- d) \$?

202. Which command can be used to test various file attributes

- a) if
- b) file
- c) test
- d) type

203. Which option of grep displays the line number as well?

- a) -v
- b) -l
- c) -n
- d) -E

204. What will be printed for the command below?

```
$ grep -c "^echo" abc
```

- a) The count of lines that do not contain the pattern echo in file abc
- b) The count of lines which begin with the pattern echo in file abc
- c) The count of lines that ends with the pattern echo in file abc
- d) None of the mentioned

205. Which one is used to select only one copy of the repeated lines?

- a) uniq -u
- b) uniq -d
- c) uniq -c
- d) uniq -l

206. `who | cut -d " " -f1`

what is the output if the who command displays like this

```
user1 tty 0 1234
```

- a) user1
- b) user1 tty 0 1234
- c) tty
- d) tty 0 1234

207. What is the command that can print lines of first file matching with second file?

- a) printline
- b) cmp
- c) com
- d) comm.

208. In the shell, by default, all variables are considered and stored as

- a) string
- b) integer
- c) character
- d) float

209. Which expression uses the value of the enclosed arithmetic expression?

- a) \$(())
- b) \$()
- c) \${ }
- d) \$[].

210. Which built-in command performs integer arithmetic in bash shell?

- a) let
- b) get
- c) set
- d) none of the mentioned

211. Which command allows to view the current jobs being handled by the shell?

- a) jobs
- b) view
- c) show
- d) none of the mentioned

212. What is job number?

- a) same as PID
- b) a unique number, assigned to each job in shell
- c) same as PID and a unique number, assigned to each job in shell
- d) none of the mentioned

213. Which command terminates a running process by name of the process?

- a) kill
- b) pkill
- c) killall
- d) none of the mentioned

214. Which command prints the directory stack?

- a) cd
- b) dirs
- c) popd
- d) pushd

215. Which command can create environment variable?

- a) export
- b) set
- c) read
- d) none of the mentioned

216. Which command is used to close the vi editor?

- a) q
- b) wq
- c) both q and wq
- d) none of the mentioned

217. Which command is used to delete the character before the cursor location in vi editor?

- a) X
- b) x

- c) D
- d) d

218. Which one of the following statement is true?

- a) autoindentation is not possible in vi editor
- b) autoindentation can be set using the command ‘:set ai’
- c) autoindentation can be set using the command ‘:set noai’
- d) autoindentation is set by default in vi editor

219. Which command searches the string in file opened in vi editor?

- a) / or ?
- b) f or F
- c) t or T
- d) none of the mentioned

220. In vi editor, which command reads the content of another file?

- a) read
- b) r
- c) ex
- d) none of the mentioned

221. Which command shows all the abbreviations in vi editor?

- a) ab
- b) abb
- c) show
- d) none of the mentioned