

MCQ - Study

1 The command to search the pattern “Hi there” in file1 would be

- A. grep “Hi there” file1
- B. grep Hi there file1
- C. grep \file1
- D. grep ‘Hi there’ file1

2 The command head f1 would display

- A. First line of the file f1
- B. Nothing
- C. First 10 lines of the file f1
- D. The whole file f1

3 After you have entered text in your file, to save and quit vi you will use

- A. Esc ZZ
- B. Shift ZZ
- C. Esc:q Enter
- D. :wq

4 The difference between the commands ps -e and ps -a is

- A. ps -e gives details of every process running in memory whereas ps -a gives output for all the process that you have launched
- B. `ps -e gives details of every process running in memory whereas ps -a gives details of all user processes
- C. No difference , both give same output
- D. None of the above

5 The father of all processes is

- A. root
- B. sh
- C. init
- D. sched

6 For a person to receive messages he should have his terminal set to a parameter which will allow him receive messages. The command to set this parameter is

- A. message -on
- B. msg -o
- C. mesg -y
- D. message -y

7 The command that unix offers to a user to find out whether he can send messages to a particular terminal are

- A. finger and who
- B. finger -mesg and who -T
- C. finger -l and who -t
- D. finger -l and who -T

8 The message of the day is stored in a file called

- A. /etc/profile
- B. /etc/pwd
- C. /etc/motd
- D. /etc/profile

9 The incoming mail of user with the login name bca1 is stored in the file

- A. /usr/spool/mail/bca1
- B. /usr/bca1/mbox
- C. /spool/mail/bca1
- D. /usr/bca1/mbox

10 .mailrc is the file

- A. Which stores the incoming mail
- B. Which is used to type the mail to be sent
- C. Which is invoked when the mail command is executed
- D. Which permits you to customize the vi environment

11 Which of the following assignments is illegal

- A. a=`ls`
- B. b=`ls -l`
- C. c=`1922`
- D. d=`who | grep bca1`

12 The shell meta character \$# represents

- A. Total number of arguments supplied to the shell script
- B. Total number of files in the current directory
- C. Total number of users who have logged in
- D. Total number of processes running in the background

13 When we are executing a shell script the shell acts as

- A. An interpreter
- B. A compiler
- C. An operating system
- D. Assembler

14 The metacharacter \$* represents

- A. Number of parameters supplied at the command prompt
- B. Parameters supplied at the command prompt
- C. Value of the variable *
- D. All files in the current directory

15 A shell variable cannot start with

- A. An alphabet
- B. A number
- C. A special symbol other than underscore
- D. A number and special symbol other than underscore

16 The statement `z='expr 5/2'` would store in z a value

- A. 2.5
- B. 3
- C. 2
- D. 0

17 The break statement is used to exit from

- A. An if statement
- B. A for loop
- C. A program
- D. if else statement

18 The cp command uses

- A. Standard input file
- B. Standard output file
- C. Both input and output file
- D. Neither input nor output file

19 Which command is used to terminate a process

- A. shutdown
- B. haltsys
- C. cancel
- D. kill

20 The command is used to compare the files is known as

- A. comp
- B. cmp
- C. do
- D. ccp

21 The command which transcribes the standard input to the standard output and also makes a copy of the same in a file is

- A. tee
- B. tr
- C. sort
- D. grep

22 Which command is used to remove a directory

- A. rd
- B. rmdir
- C. didir
- D. rdir

23 Which command is used to extract a specific columns from the file

- A. cat
- B. cut
- C. grep
- D. paste

24 Which command sends the word count of the file infile to the newfile.

- A. wc infile > newfile
- B. wc newfile
- C. wc infile -newfile
- D. wc infile | newfile

25 Which command is used to remove the read permission of the file 'note' from both the group and others?

- A. chmod go+r note
- B. chmod go+rw note
- C. chmod go-x note
- D. chmod go-r note

26 Which command will be used with vi editor to insert text to left of cursor?

- A. s
- B. S
- C. a
- D. i

27 Which command is used to concatenate all files beginning with the string 'emp' and followed by a non-numeric characters?

- A. `cat emp[!0-9]`
- B. `more [emp][!0-9]`
- C. `cat emp[x-z]`
- D. `cat emp[a-z]`

28 Which of the following special shell variable is used to process number of the last background job?

- A. `$!`
- B. `$@`
- C. `$#`
- D. `$*`

29 Which of the following commands is used to identify the type of file by context?

- A. `ls`
- B. `cat`
- C. `file`
- D. `more`

30 The field separator in cut command is specified with

- A. `-a` option
- B. `-d` option
- C. `-r` option
- D. `-l` option

31 Which option will be used with touch command to change the access time?

- A. -a option
- B. -d option
- C. -r option
- D. -l option

32 Which file gets executed when we use the passwd command

- A. /etc/passwd
- B. /etc/pwd
- C. /bin/passwd
- D. /passwd

33 The command cal j 1997 would give the output as

- A. The calendar of jan, june and july 1997
- B. Only calendar of jan 1997
- C. An error
- D. The calendar of january 1997

34 The output of command banner "Unix shell programming" would be

- A. A banner showing 'unix','shell' and 'programming' words displayed in
- B. A banner showing 'unix shell' in one single line
- C. Nothing
- D. A banner showing 'unix shell programming' in one line.

35 To see the last access time of various files in a file system the command is

- A. ls -lu
- B. ls -l
- C. ls -ac
- D. ls -mt

36 Which of the following is not true

- A. Sorting is done on the basis of first character of each line
- B. Sort command sorts a file word by word rather than line by line
- C. Sort command has provision to do a numeric sort
- D. Sort is not a filter

37 To change the access time of a file to 12:40 PM on 26th Jan 1997 the command would be

- A. Touch -a 2601971240 file
- B. Touch -a 1240260197 file
- C. Touch -a 0126124097 file
- D. Touch -a 9701261240 file

38 The command cut -f 2,8 -d ":"file would output

- A. The fields 2 to 8 from file where delimiter between fields is :
- B. The fields 2 to 8 from file including the delimiter : between fields
- C. The columns 2 to 8 from file with : between each column
- D. None of the above

39 ____ section can be used if we've to print something before processing the first line.

- A. end
- B. begin
- C. start
- D. first

40 The command echo welcome > /dev / tty

- A. Echoes welcome in all the terminals that are switched on.
- B. Echoes welcome in all the terminals that are logged on.
- C. Echoes welcome only in the terminal in which it is run.
- D. Both (a) and (c)

41 In awk, the built-in variable FS is

- A. input field separator
- B. output field separator
- C. record separator
- D. subscript separator

42 Which command is used to make all files and sub-directories in the directory (progs) executable by all users?

- A. `chmod -R a+x progs`
- B. `chmod -R 222 progs`
- C. `chmod -1 a+x progs`
- D. `chmod -x a+x progs`

43 Which command is used to display and create files?

- A. `cat`
- B. `haltsys`
- C. `ed`
- D. `lyrix`

44 Which of the following commands is used to display top lines of file?

- A. `head`
- B. `tail`
- C. `wc`
- D. `cut`

45 Which of the following command is used to join the file vertically?

- A. `paste`
- B. `cut`
- C. `uniq`
- D. `head`

46 Which command in unix is used by the system administrator to send message to all the logged in users?

- A. mesg
- B. window
- C. wall
- D. comm

47 _____command is used to suspend the foreground job.

- A. fg
- B. bg
- C. ctrl+z
- D. ctrl+d

48 Which of the following is an internal command?

- A. ls
- B. cat
- C. date
- D. pwd

49 _____comands don't generate process and are executed directly by kernel.

- A. Internal
- B. External
- C. both
- D. None of the above

50 Which of the signal is used to terminate a job for sure?

- A. SIGINT
- B. SIGTERM
- C. SIGKILL
- D. SIGQUIT

51 _____ is the feature used to store the output in a file instead of displaying it on monitor(Output device).

- A. Input redirection
- B. Output Redirection
- C. long listing using ls
- D. None of the above

52 _____ is the state of chprocess in which the process is terminated but its parent process doesn't read the exist status of it.

- A. Orphan
- B. background
- C. Zombie
- D. None of the above

53 _____ is the attribute of a file not stored in inode block of the file.

- A. inode number
- B. file name
- C. file type
- D. Userid

54 _____ represents beginning of file in the given regular expression.

- A. \$
- B. ^
- C. /
- D. *

55 Which of the following pattern will match with the regular expression `^[0-9]?`

- A. pattern that begins with digit
- B. pattern that does not begin with digit
- C. pattern that ends with digit
- D. pattern that ends with alphabet

56 Identify the following operator. `"ch\{m,n\}"`

- A. Character class
- B. Repetition Operator
- C. Save operator
- D. Sequence Operator

57 Which of the following command is used to display all the lines starting with special characters in the file `f1`?

- A. `grep "[a-zA-Z0-9].*$" f1`
- B. `grep -v "[a-zA-Z0-9].*$" f1`
- C. `grep "[a-zA-Z0-9].*$" f1`
- D. `grep "[A-Z0-9].*$" f1`

58 Which one of the following command is used for searching for a pattern in one or more file(s)?

- A. cd
- B. cp
- C. paste
- D. grep

59 Which option is used with grep command for ignoring the case in pattern searching?

- A. -a
- B. -v
- C. -i
- D. -e

60 ____ option is used when we need to match multiple patterns in a single invocation of grep command?

- A. -a
- B. -e
- C. -n
- D. d) -i

61 What does the -S option do in ls command?

- A. sorts according to modification time
- B. sorts according to last access time
- C. sorts according to file size
- D. sorts according to inode number

62 Which of the following is not a subset of BRE (basic regular expression) character subset?

- A. *
- B. .*
- C. ^\$
- D. ch+

63 Which of the following symbols are used for matching multiple patterns?

- A. |
- B. &
- C. (and)
- D. | and (and)

64 Which of the following commands is known as stream editor?

- A. sed
- B. grep
- C. grep
- D. tr

65 Which one of the following command will be used for quitting after selecting 3 lines from file emp.lst?

- A. sed -n 3 emp.lst
- B. sed -i 1-3 emp.lst
- C. sed '3q' emp.lst
- D. sed -n

66 Which option is used with sed for using multiple instructions?

- A. -f
- B. -n
- C. -e
- D. -f and -e

67 To perform context addressing, we have to enclose the pattern in _____

- A. double quotes
- B. single quotes
- C. //
- D. \$\$

68 _____ represents the device driver this is actually the type of device being referred to.

- A. minor number
- B. inode number
- C. major number
- D. None of the above

69 _____ is the process that executes with process id 1.

- A. getty
- B. init
- C. shell
- D. None of the above

70 passwd as a data file, that store user information with password is generally stored in _____ directory.

- A. /etc
- B. /dev
- C. /tmp
- D. /var

71 Which of the following character represents, link file in the output of "ls -l" command?

- A. l
- B. b
- C. s
- D. d

72 Which of the following command is used to rename a file as well as move a file from one directory to another directory?

- A. rm
- B. mv
- C. rename
- D. mkdir

73 Identify the command that can copy the content of f1 to f2.

- A. cat f1>f2
- B. copy f1 f2
- C. cp f1 f2
- D. Both (a) and (c)

74 Which command is used to sort the lines of data in a file in reverse order.

- A. sort
- B. sh
- C. st
- D. sort -r

75 In Unix, how do you check that two given strings a and b are equal?

- A. test \$a -eq \$b
- B. test \$a -equal \$b
- C. test \$a = \$b
- D. both a and c

76 In which mode of vi editor "wq" command is written to save a file?

- A. command
- B. ex-mode
- C. insert
- D. None of the above

77 _____ key is used to switch from insert mode to command mode.

- A. Esc
- B. ctrl
- C. alt
- D. space

78 Which of the following is used to implement command substitution?

- A. a pair of `
- B. a pair of '
- C. a pair of "
- D. a pair of \$

79 What are the functions performed by expr command?

- A. arithmetic operations on integers
- B. string manipulations on strings
- C. both a and b
- D. None of the above

80 Which of the following command is used to create a link between two files?

- A. ls
- B. link
- C. ln
- D. nl

81 Which statement is not correct about “init” process in Unix?

- A. It is generally the parent of the login shell.
- B. It has PID 1.
- C. It is the first process in the system.
- D. Init forks and execs a ‘getty’ process at every port connected to a terminal.

82 Unix command to change the case of first three lines of file “shortlist” from lower to upper

- A. `$ tr '[a-z]' '[A-Z]' shortlist | head-3`
- B. `$ head-3 shortlist | tr '[a-z]' '[A-Z]'`
- C. `$ tr head -3 shortlist '[A-Z]' '[a-z]'`
- D. `$ tr shortlist head -3 '[a-z]' '[A-Z]'`

83 In UNIX, _____ creates three subdirectories : ‘PIS’ and two subdirectories ‘progs’ and ‘data’ from just created subdirectory ‘PIS’.

- A. `mkdir PIS/progs PIS/data PIS`
- B. `mkdir PIS progs data`
- C. `mkdir PIS PIS/progs PIS/data`
- D. `mkdir PIS/progs data`

84 In Unix, the command to enable execution permission for file "mylife" by all is

_____.

- A. chmod ugo + x myfile
- B. chmod a + x myfile
- C. chmod + x myfile
- D. All of the above

85 Which of the following is used to send the output of one command as an input of another command?

- A. pipe
- B. ls
- C. cat
- D. asterisk

86 Which of the following keys is used to replace a single character with new text?

- A. S
- B. s
- C. r
- D. C

87 Which command is used to count lines of the file "infile" ?

- A. wc -o infile
- B. wc -l infile
- C. wc -c infile
- D. wc -w infile

88 Which of the following is not a communication command.

- A. write
- B. mesg
- C. mail
- D. grep

89 Which symbol is used to separate more than one command in the same command line?

- A. \$
- B. #
- C. :
- D. ;

90 Which command is used to display the characteristics of a process?

- A. pid
- B. du
- C. ps
- D. au

91 _____ command is used to ensure that the background process do not die when you logout.

- A. dontdie
- B. kill
- C. nohup
- D. bg

92 _____ is the section processed after the file processing is over in awk.

- A. Begin
- B. End
- C. stop
- D. execute

93 awk supports _____ array in which information is held as key-value pair.

- A. creative
- B. associative
- C. formative
- D. None of the above

94 What does the "0" signify as an output of exit status?

- A. Successful completion of last executed command
- B. unsuccessful completion of last executed command
- C. command executed with error
- D. None of the above

95 Shell scripts are executed in a separate child shell process.

- A. TRUE
- B. FALSE
- C. Can not be determined
- D. None of the above

96 Which command is used for making the scripts interactive?

- A. ip
- B. input
- C. read
- D. write

97 A single read statement can be used with one or more variables.

- A. TRUE
- B. FALSE
- C. Can not be determined
- D. None of the above

98 What are positional parameters?

- A. special variables for assigning arguments from the command line
- B. pattern matching parameters
- C. special variables for taking input using read
- D. special variables and patterns

99 Which of the following operators are used for Conditional execution?

- A. ||
- B. &&
- C. %%
- D. && and ||

100 Which one of the following option is used for AND operation?

- A. -o
- B. -a
- C. -e
- D. -an

101 Which command is used for changing filename extensions?

- A. chown
- B. rename
- C. basename
- D. rm

102 Which command is used by the shell for manipulating positional parameters?

- A. set
- B. cut
- C. case
- D. paste

103 What is the prompt for system administrator?

- A. \$
- B. %
- C. #
- D. &

104 test command can be used to check which of the following?

- A. Compare two numbers
- B. Compare two strings
- C. Check attributes of a file
- D. All of the mentioned

105 test and [] can be used for string comparison.

- A. TRUE
- B. FALSE
- C. Can not be determined
- D. None of the above

106 _____ is the system variable contains sequence of characters that are used as word seperator.

- A. IFS
- B. HOME
- C. PATH
- D. PS1

107 Which of the following is not a filter?

- A. date
- B. head
- C. tail
- D. cut

108 Which of the following option is used to overcome the problem of duplicate lines?

- A. -a
- B. -n
- C. -i
- D. -c

109 Which of the following command will print details of top 3 students, where the file is sorted as per marks?

- A. head -3 stud.dat
- B. tail -3 stud.dat
- C. head +3 stud.dat
- D. tail +3 stud.dat

110 Which of the following is contained in boot block?

- A. inode
- B. Master boot Record
- C. Shell program
- D. None of the above

111 Which one of the following command will be used for adding two spaces before every line in emp.lst?

- A. sed 's/^/ /' emp.lst
- B. sed 's / /' emp.lst
- C. sed 's /\$/ /' emp.lst
- D. sed 's/\$/ /'

112 Which shortcut does sed offer to replace the string Linux with Red hat Linux?

- A. {}
- B. ()
- C. ^^
- D. &

113 Awk filter operates at field level.

- A. TRUE
- B. FALSE
- C. May be
- D. Can't say

114 The default action if selection_criteria is missing is ____

- A. print
- B. split
- C. print and split
- D. no default action

115 awk uses _____ for splitting a line into fields.

- A. special parameters
- B. shell variables
- C. env variables
- D. command arguments

116 Unix OS was first developed by

- A. Dennis Ritchie
- B. Bjarne stroustrup
- C. Ken Thompson
- D. Brian Kernighan

117 Unix OS was first developed at

- A. Microsoft corp. USA
- B. AT & T Bell Labs, USA
- C. IBM, USA
- D. Borland International, USA

118 Unix is written in

- A. C language
- B. Ada language
- C. Perl language
- D. Pascal language

119 Unix is a

- A. Single User, Single tasking OS
- B. Single User, Multitasking OS
- C. Multi-User, Multi- tasking OS
- D. Multi-User, Singletasking OS

120 Which of the following is a command for searching a pattern in a file?

- A. Find
- B. group
- C. lookup
- D. grep

121 Unix Command can be typed in

- A. Lower case
- B. Upper case
- C. Both cases
- D. Mixed cases

122 Shell Program is stored in a file called

- A. unix
- B. sh
- C. cc
- D. dd

123 Which Shell offers command history feature?

- A. C shell
- B. Bourne shell
- C. Korn shell
- D. Visual shell

124 The minimum number of links for any directory file are

- A. 3
- B. 4
- C. 1
- D. 2

125 The default value of umask is

- A. 1024
- B. 2048
- C. 0022
- D. 1001

126 Binary executable required for system administration is usually placed in _____ directory.

- A. /etc
- B. /usr
- C. /dev
- D. none

127 All user directories are usually placed in _____ directory.

- A. /etc
- B. /usr
- C. /dev
- D. none

128 If there are three links for a file then the number of copies of the file would be

- A. One
- B. Two
- C. Three
- D. Zero

129 After typing the contents of file test created by you by giving the command `cat>test` you save the contents by

- A. Pressing the keys `ctrlc`
- B. Typing `save` and pressing `enter`
- C. Pressing `Esc` key
- D. Pressing `ctrl-d`

130 The file for which we do not have write permission can be deleted using the command

- A. `rm -l file`
- B. `rm -i file`
- C. `rm -r file`
- D. `rm -f file`

131 The permission 746 can be represented as

- A. `rw-rwx- -x`
- B. `rw- -w-r-x`
- C. `rw-r-xr-x`
- D. `rw-r- -rw-`

132 A Sticky bit applies to a file would mean that

- A. No one can remove it
- B. It would stick around in memory even when its execution is over
- C. Next time you login it would get executed on its own
- D. Only the file's owner or root user can remove it

133 The command pwd gives

- A. Present Working Directory
- B. Previous Working Directory
- C. Password in encrypted form
- D. Password in decrypted form

134 which of the following is not a unix command

- A. cd
- B. rm
- C. del
- D. pwd

135 The size of any block in the unix file system is

- A. 512 bytes
- B. 1024 bytes
- C. 2048 bytes
- D. Any of the above

136 Each entry in inode table is of size

- A. 64 kb
- B. 32 kb
- C. 32 bytes
- D. 64 bytes

137 Which of the following is not an input mode command?

- A. s
- B. a
- C. i
- D. x

138 The state of the file system is contained in

- A. Boot block
- B. A special block created by Book Block
- C. Super Block
- D. Data Block

139 What is FNR?

- A. FNR is the current record number in the current file
- B. FNR is the number of fields in the current input record
- C. FNR is an array contains the value of environment
- D. None of the above

140 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

141 _____ is the directory in which all the device files are stored?

- A. /dev
- B. /tmp
- C. /usr
- D. /bin

142 _____ is the command to delete all the digits from the file f1.

- A. sed 's/[0-9]//g' f1
- B. sed 's///g' f1
- C. sed 's/[0-9]// ' f1
- D. sed 's/[a-zA-Z]//g' f1

143 _____ is the command used to start debugging.

- A. set -x
- B. set +x
- C. set -d
- D. set +d

144 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

145 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

146 Which option can be used with 'rm' command to prompt for file removal?

- A. -ask
- B. -i
- C. -c
- D. -n

147 Following is the utility program to perform complex mathematical computation.

- A. expr
- B. bc
- C. cal
- D. calci

148 Out of the following which can place in home directory?

- A. cd
- B. cd ~
- C. Both (a) and (b)
- D. None

149 Identify the environment variable which designates secondary prompt.

- A. PP1
- B. SP2
- C. PS1
- D. PS2

150 To Extract Specific Columns From A File, _____ Command Is Used.

- A. Tail
- B. Head
- C. Pr
- D. Cut