

# linux and shell programing

## unit-1

1. What hardware architectures are not supported by Red Hat?

<a href="#">A.</a>	SPARC
<a href="#">B.</a>	IBM-compatible
<a href="#">C.</a>	Alpha
<a href="#">D.</a>	Macintosh
<a href="#">E.</a>	<b>None of the above</b>

2. What command is used with vi editor to delete a single character?

<a href="#">A.</a>	x
<a href="#">B.</a>	y
<a href="#">C.</a>	a
<a href="#">D.</a>	z
<a href="#">E.</a>	None of the above

3. What command is used to remove the directory?

<a href="#">A.</a>	rdir
<a href="#">B.</a>	remove
<a href="#">C.</a>	rd
<a href="#">D.</a>	<b>rmdir</b>
<a href="#">E.</a>	None of the above

4. What command is used to remove files?

<u>A.</u>	dm
<u>B.</u>	rm
<u>C.</u>	delete
<u>D.</u>	erase
<u>E.</u>	None of the above

5. Which command is used to display the operating system name

- a) os
- b) unix
- c) kernel
- d) **uname**

6. The system calls in UNIX is written using which language

- a) c
- b) c++
- c) **Assembly Language**
- d) Fortan

7. How do you get help about the command “cp”?

- a)help cp
- b) **man cp**

- c) cd
- d) None of the mentioned

8. 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

9. Who started Linux first as a personal project?

- a) **Linus Torvalds**
- b) Ken Thompson
- c) Dennis Ritchie
- d) John Dell

10. Who had first described UNIX in an article?

- a) Ken Thompson
- b) **Dennis Ritchie and Ken Thompson**
- c) Dennis Ritchie
- d) Linus Torvalds

11. When we use | |, both the commands are executed.

- a) True
- b) **False**

12. What error does the if condition gives if not terminated with FI statement?

- a) Syntax error
- b) Unexpected end
- c) Expecting keyword end
- d) **All of the mentioned**

13. To perform decision depending on the fulfillment of certain criteria, \_\_\_\_\_ is used.

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

14. To check more than two conditions, \_\_\_\_\_ is used with if-else statements.

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

15. 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

16. Shell scripts need to be saved with an extension .sh

.

- a) **True**
- b) False

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

\_\_\_\_\_

- a) **chmod +x**
- b) chmod +r
- c) chmod +w
- d) chmod +rwx

18. Which of the following commands let us perform a set of instructions repeatedly?

- a) for
- b) while
- c) until
- d) for, while, until

19. Which of the following keywords are used in while loop?

- a) do
- b) done
- c) then
- d) **do and done**

20. Where is the exit status of a command stored?

- a) \$0
- b) \$>
- c) \$1
- d) **\$?**

21. What is the login name of system administrator?

- a) **root**
- b) su
- c) master
- d) admin

22. When we log in as root user we are placed in \_\_\_\_\_

- a) /bin
- b) **/root**
- c) /system
- d) /admin

23. Which command is used for acquiring superuser status?

- a) pu
- b) **su**
- c) admn
- d) super

24. Which command is used by the system administrator to set the date of the system?

- a) dt
- b) su
- c) **date**
- d) chdt

25. \_\_\_\_\_ command is used by the superuser for changing root's password.

- a) pd
- b) password
- c) **pswd**
- d) pwd

26. Which of the following commands are used for the maintenance of user accounts?

- a) useradd
- b) usermod
- c) userdel
- d) **All the above mention**

## unit-2

1. Loop is a \_\_\_\_\_ statement.

- a.concurrent
- b.sequential
- c.assignment
- d.function

Answer : B

2. What is the use of for loop?

- a.To repeat the statement finite number of times
- b.To repeat the statement until any condition holds true
- c.To repeat the statement for infinite time
- d.To repeat statement inside until any condition is false

Answer : A

3. Do and the done keyword is used by which loop statement?

- a.for b.while
- c.for and while d.case

Answer : C



4. To perform a set of instructions repeatedly, which command is used?

- a.for
- b.for,while,until
- c. Until
- d.while

Answer : B

5. The \_\_\_\_\_ loop executes the given commands until the given condition remains true.

- a.for loop
- b.while loop
- c.until loop
- d.both b and c

Answer : B

6. Continue statement cannot be used in which loop?

- a.for loop
- b.until loop
- c.while loop
- d.case.....esac

Answer : D

7. Which of the following symbols can be used to redirect the output to a file or another program?

- a.|
- b.>
- c.>>
- d.all the above

Answer : D

8. Which symbol is used to redirect error message to / dev / null?

- a.<
- b.>
- c.%
- d.\$

Answer : B

9. Which statement resumes the next iteration of a for,while, select or until loop?

- a.continue
- b.break
- c.complete
- d.command

Answer : A

10. By shell into the parameters, \_\_\_\_\_ reads the first arguments.

a.\$1

b.\$3

c.\$\$

d.1\$

Answer : A

11. In \_\_\_\_\_ as a single string a complete to set of the positional parameters is stored.

a.\$\*

b.\$#

c.\$n

d.1\$

Answer : A

12. Which shell is the default shell used on Linus system?

a.csh

b.rsh

c.bash

d.tesh

Answer : C

13. The bash shell assigns special variables called \_\_\_\_\_.

- a.positional parameters
- b.passing parameters
- c.command line parameters
- d.testing parameters

Answer : A

14. 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 are patterns

Answer : A

15. Which was the first Unix shell?

- a.x shell
- b.c shell
- c.bash shell
- d.korn shell

Answer : C

16. Which option of rm command is used to remove a directory with all it sub directories?

- a.-b

b.-o

c.-p

d.-r

Answer : D

17. Which command sets up shorthand for command or command line?

a.set

b.alias

c.new

d.echo

Answer : C

18. Which option of the kill command sends the given signal name to the specified process?

a.-l

b.-n

c.-s

d.-a

Answer : C

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

a.-l

b.-o

c.-a

d.-i

Answer : D

20. For command substitution,with the set command which of the following symbol is used?

a .-

b. ??

c. --

d. \_

Answer : C

21. Which signal is generated when we press control-c?

a.SIGINT

b.SIGTERM

c.SIGKILL

d.SIGSEGV

Answer : A

22. Which signal is generated when we press ctrl-z?

a.SIGKILL

b.SIGSTOP

c.SIGABRT

d.SIGINT

Answer : D

23. Which of the following signal cannot be handled or ignored?

a.SIGINT

b.SIGCHILD

c.SIGKILL

d.SIGALARM

Answer : C

24. Another signal that cannot be caught is \_\_\_\_\_.

a.SIGPIPE.

b.SIGHUP

c.SIGSTOP.

d.SIGUSRI

Answer : C

25. Nehup command is used for \_\_\_\_\_?

a.automatically hang up the process after disconnection

b.keep the process after logging out

c.creat a backgroup process

d.manually hang up the process after disconnection

Answer : B

## **unit-3**

1. Which of the following command is used to count the total number of lines, words, and characters contained in a file?

- a) wc
- b) wcount
- c) countw
- d) None of the above

Answer:A

2. Identify the command which is used to remove files.

- a) delete
- b) rm
- c) dm
- d) erase

Answer:B

3. Identify the command which is used to create Linux File systems.



- a) fsck
- b) mkfs
- c) fdisk
- d) mount

Answer:B

4. which of the following can be used to open a file for reading and making changes in shell programming

- a) r+
- b) w+
- c) r
- d) w

Answer:B

5. Recursion is similar to which of the following?

- a) Switch Case
- b) Loop
- c) If-else
- d) if elif else

Answer:B

6. which one the following is the correct syntax for performing substitution using sed

- a) sed [address]s /expr1/expr2

- b) sed [address]s /expr1 expr2
- c) sed [address]s /expr1/expr2/flags
- d) sed [address]s

Answer:C

7. which filter apart from perl, is the most powerful

- a) sed
- b) awk
- c) grep
- d) cut

Answer:B

8. After using the shared library, memory can be done free by calling:

- a) dlclose
- b) slclose
- c) lclose
- d) none of the mentioned

Answer:A

9. In Linux, the static library has the extension of:

- a) .a
- b) .b

c) .c

d) .d

Answer:A

10. Which command can be used to update the shared library system?

a) lconfig

b) ldconfig

c) slconfig

d) none of the mentioned

Answer:B

11.In awk, the built-in variable FS is

a) input field separator

b) output field separator

c) record separator

d) subscript separator

Answer:A

12.In awk program, the name of the array can not be same with the

a) name of variable

b) value of the array element

c) name of variable & value of the array element

d) none of the mentioned

Answer:A

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c) name of variable & value of the array element

d) none of the mentioned

Answer:C

14. Parameters can be passed to a function

a) by using the parameter variables \$1, \$2, \$3.....

b) by using the environment variables

c) by using the parameter & environment variables

d) none of the mentioned

Answer:A

15. When the return value of any function is not specified within the function, what function returns?

a) nothing

b) exit status of the last command executed

c) 0

d) none of the mentioned

Answer:B

16. The keyword 'local' is used

- a) to define a variable within a function for its local scope
- b) to redefine any global variable
- c) this is not a valid keyword
- d) none of the mentioned

Answer:A

17. Functions improves the shell's programmability significantly, because

- a) when we invoke a function, it is already in the shell's memory, therefore a function runs faster than separate scripts
- b) function will not provides a piece of code for repetitive tasks
- c) all of the mentioned
- d) none of the mentioned

Answer:A

18.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

Answer:B

19.What is sed?

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

Answer:A

20. 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

Answer:C

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

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

Answer:A

22.Which command reads user input from the terminal and assign this value to a variable name?

- a) read
- b) get
- c) declare
- d) set

Answer:A

23. Which one of the following is not a valid shell variable?

- a) \_san
- b) san\_2
- c) \_san\_2
- d) 2\_san

Answer:D

24.To redefine a variable, it can be removed from the list of variables by using the command

- a) unset
- b) delete
- c) remove
- d) clear

Answer:A

25. An awk program can be run by

- a) including the program in the command that runs awk

- b) putting it into a file and run with a command
- c) running an executable awk script
- d) all of the mentioned

Answer:D

## unit-4

1.which of the following is used to match any set of characters from

the specified file in the grep command.

- A) ()
- b) {}
- c) []
- d) ##

Ans; c) []

2.which of the following symbols are used to represent the group of

characters.

- a) \$
- b) ?



c) -

d) All the above

Ans: d) All the above

3. which of the following symbols is used to represent the group of

characters

a) /

b) \

c) +

d) –

Ans: b) \

4. can we use regular expression in VI editor

A) yes

b) no

Ans : a) yes

5. how many popular expressions

a) 1

b) 3

c) 4

d) 2

Ans: d) 2

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Answer:C

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- c) running an executable awk script
- d) all of the mentioned

Answer:D

## unit-5

1)How many user can create with a single directory  
\_\_\_\_\_.

- A)50,000
- B)60,000
- C)70,000
- D)80,000

Ans :B

2)CLI stands for\_\_\_\_\_.

- A)command line interface
- B)control linear interface



C)command linear interface

D)control line interface

Ans:A

3)Which key is used to quit when you are finished with the man pages.

A)ctrl+x

B)Q

C)ctrl+d

D)Enter

Ans:B

4)The first hard drive installed in a Linux system is called\_\_\_\_\_.

A)Home drive

B)Root drive

C)Boot drive

D)Run drive

Ans:B

5)FHS stands for\_\_\_\_\_.

A)filesystem hierarchy standard

B)filesystem hierarchy system

C)filesystem hyper standard

D)folder hierarchy standard

Ans:A

6) The double dot (..) to represent the \_\_\_\_\_ directory.

A)current

B)next

C)parent

D)previous

Ans:C

7) The single dot (.) to represent the \_\_\_\_\_ directory.

A)current

B)next

C)parent

D)previous

Ans:A

8)VCS means \_\_\_\_\_.

A)virtual contact system

B)virtual contact system

C)version control system

D)virtual control system

Ans:C

9)Who created a small-scale version of the Bourne shell for Unix systems?

A)Linux Torvads

B) Kenneth Almquist

C)Stephen Bourne

D)Ian murdock

Ans:B

10)Which command is used to archive entire directories into a single file.

A)bak

B)trav

C)arch

D)tar

Ans:D

11)Which command is used Removes the specifi ed variable or option flag from the exported variables

A)unset

B)unalias

C)unmask

D)untrap

Ans:A

12) Lynx program was created in \_\_\_\_\_.

A)1991

B)1992

C)1993

D)1994

Ans:B

13)which packageis need to instal for mail in linux?

A)mailutils

B)maiutils

C)utilsmail

D)utilsmal

Ans:A

14)Which protocol is used mail in linux

A)SMTP

B)FTP

C)SLIP

D)PPP

Ans:A

15)Which command is used to attach a file in mail

A)-A

B)-a

C)-attach

D)-ATTACH

Ans: A

16)The shgell script is

A).File containing a series of commands

B).File containing special symbols

C).group of commands

D).group of functions

Ans:A

17)In Our bash shell scripts, we've been using this\_\_\_\_\_

A)#!/bin/bash

B)./bin

C)# !/bin/Sh

D)None

Ans:A

18)Writes an error message to STDERR when attempting to expand a variable that is not set\_\_\_\_\_

A)-a

B)-e

C)-f

D)-u

Ans:D

19)\_\_\_\_\_Ways to express a mathematical operation in the bash shell script

A)One

B)Three

C)Five

D)Six

Ans:B

20)Options that allow you to set the behavior of the zsh shell to mimic the behavior of other Shell types

A)shell state

B)zle

C)Shell emulation

D)Option aliases

Ans:D

21)The zsh shell has full support for\_\_\_\_\_ numbers in all its mathematical operations.

A)integer point

B)floating point

C)multiple point

D)none

Ans:B

22)Scripting with zsh\_\_\_\_\_

A)It Will Shows the Count of the arguments passed to the Script

B)it will show the arguments passed to the script

C)it will show the numbers files

D)none of the above

Ans:A

23)Which of the following backup technique is most space efficient?

A)Full backup

B)incremental backup

C)Differential backup

D)all of the mentioned

Ans:B

24)Which Command is used for Compression and archiving files together?

gzip and tar

A)gzip

B)bzip2

C)zip

Ans:C



25) Which command is used to record a user login session in a file

A) macro

B) read

C) script

D) none of the mentioned

Ans: C