Q1. Explore the following commands with various options, refer man pages for

further help a) date b) cal c) bc d) echo e) who f) whoami g) logname g) uname h)

seq i) clear

Ans – a) date

- Mon Sep 7 22:22:46 IST 2020

b)cal

September 2020

Su Mo Tu We Th Fr Sa

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18 19

20 21 22 23 24 25 26

27 28 29 30

c)bc

echo 4\*5 | bc

20

d)echo

echo -it just to print the line or input

e)who

f) who am i

-it gives the username

g)log name

- it shows the login name

h) uname

- it gives the basic info about hardware and software

i)seq

-seq 5 10

It gives the sequence from 5 to 10 including 5 and 10.

j)clear - it clear the screen

Q2. A) Create three directory a b and c and create a.txt,b.txt and c.txt

in each directory respectively and then copy c directory into the a.

-mkdir a b c

- cd a

- cat > a.txt

- cd b

- cat >b.txt

- cd c

- cat > c.txt

B)Move Directory b to c.

- mv b c

C)Create alias of ls -lh command to your name.

D)Change Directory name a to cdac.

- mkdir cdac

- mv a cdac

Q3. A) Create five files file1.txt , file2.txt ,file3.txt file4.txt and

file5.txt with some text inside it. Search for 's' character

inside all the files using grep command.

* grep ‘s’ file1.txt file2.txt file3.txt,file4.txt,file5.txt

Also Use cat to view all file content together.

B)Create file.txt using cat and edit that using nano editor.

c)Create 5 empty files using touch command

D)Remove previously created directory a , b and c.

- rm a b c -rf

Q4. Create a file with some content using vi editor

* - vi city
* mumbai
* delhi
* chennai
* banglore
* pune
* indore
* aurangabad
* akola
* nashik

1. Display the file using cat command

- cat city

b) Display line numbers along with content

- nl city

c) Display the file in reverse order using tac

- tac city

d) Combine multiple files using cat command

- cat city fruits

Q5. Create Random some files and sub directories.

a) display files row wise, column wise, 1 per row

b) sort the files in ascending, descending order

c) Create some hidden files and sub directories and display them using “ls -a”

d) Change time stamp of some files and directories using touch command and display the files using ls -t ls -rt

e) Recursive display contents of your home directory.

f) display all attributes of files and directories using ls -l

g) display attributes of a directory using ls -ld

Q1. Create directory of your name and then create 4 files inside it named

a.txt, b.txt, c.txt and d.sh. And change the directory permission to

only user and also files permission to only user such that

- mkdir neha

- cd neha

- touch a.txt b.txt c.txt d.sh

- chmod 700 neha

- ls -l neha

a)user can read and write the file a.txt and b.txt

- chomd 600 a.txt b.txt

b)user can write the file c.txt

- chmod 400 c.txt

c)user can exectuable the file d.sh. Make

Contents of file d.sh:

#/bin/sh

ls -lh

* Chmod 100 d.sh

Q2. Change the permission of the previous directory to executable only.

Analyze the output.

* chmod 100 neha
* ls -lh

Q3. Change the permission of the previous directory to read only.

Analyze the output.

* chmod 400 neha

Q4. Use echo to list the all files of your home directory.

* echo \*

Q5. Use echo to list the all files of /etc/ directory

Q6. Use echo to list the all files of /etc/ directory with extension name .conf

Q7. Use echo to append your name to a.txt