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

abhishekpatil97@LAPTOP-OB21UUJ4:~$ date

Mon Oct 12 14:25:17 IST 2020

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cal

October 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 31

abhishekpatil97@LAPTOP-OB21UUJ4:~$ bc

bc 1.07.1

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abhishekpatil97@LAPTOP-OB21UUJ4:~$ whoami

abhishekpatil97

abhishekpatil97@LAPTOP-OB21UUJ4:~$ logname

logname: no login name

abhishekpatil97@LAPTOP-OB21UUJ4:~$ unname

Command 'unname' not found, did you mean:

command 'uname' from deb coreutils

command 'uniname' from deb uniutils

command 'uuname' from deb uucp

Try: sudo apt install <deb name>

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.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd a

abhishekpatil97@LAPTOP-OB21UUJ4:~/a$ touch a.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/a$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd b

abhishekpatil97@LAPTOP-OB21UUJ4:~/b$ touch b.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/b$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ touch c.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:/home$ cd b

-bash: cd: b: No such file or directory

abhishekpatil97@LAPTOP-OB21UUJ4:/home$ cd abhishekpatil97

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd c

abhishekpatil97@LAPTOP-OB21UUJ4:~/c$ touch c.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/c$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cp c a

cp: -r not specified; omitting directory 'c'

abhishekpatil97@LAPTOP-OB21UUJ4:~$

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cp -r c a

B)Move Directory b to c.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cp -r c a

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mv b c

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

abhishekpatil97@LAPTOP-OB21UUJ4:~$ alias ls-lh=nikhil

D)Change Directory name a to cdac.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ 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.

Also Use cat to view all file content together.

cat > file1.txt "message"

cat > file2.txt "message"

cat > file3.txt "message"

cat > file4.txt "message"

cat > file5.txt "message"

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

amanpatil1998@LAPTOP-OB21UUJ4:~$ cat > file.txt

c)Create 5 empty files using touch command

abhishekpatil97@LAPTOP-OB21UUJ4:~$ touch f1.txt f2.txt f3.txt f4.txt 5.txt

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

abhishekpatil97@LAPTOP-OB21UUJ4:~$ rm -rf a b c

Q4. Create a file with some content using vi editor

a) Display the file using cat command

b) Display line numbers along with content

c) Display the file in reverse order using tac

d) Combine multiple files using cat command

abhishekpatil97@LAPTOP-OB21UUJ4:~$ vi.txt

vi.txt: command not found

abhishekpatil97@LAPTOP-OB21UUJ4:~$ vi n1.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cat -n n1.txt

1 dasd

2 dfasfadf

3 asdfasdf

4 adsfsdf

5

abhishekpatil97@LAPTOP-OB21UUJ4:~$ tac -n n1.txt

tac: invalid option -- 'n'

Try 'tac --help' for more information.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ tac n1.txt

adsfsdf

asdfasdf

dfasfadf

dasd

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

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -a

. .sudo\_as\_admin\_successful a1 c.txt file2.txt

.. .viminfo a10 cdac file3.txt

.bash\_history 0001.sh a2 dir1 file4.txt

.bash\_logout 0002.sh a3 dir2 file5.txt

.bashrc 0003.sh a4 f1.txt movies

.cache 0004.sh a5 f2.txt n1.txt

.config 0005.sh a6 f3.txt odd.txt.save

.local 0006.sh a7 f4.txt op.sh

.profile 0007.sh a8 factorial.sh row

.string.txt.swn 001 a9 file.txt

.string.txt.swo 5.txt assignment2 file1.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -A

.bash\_history 0001.sh a2 dir1 file4.txt

.bash\_logout 0002.sh a3 dir2 file5.txt

.bashrc 0003.sh a4 f1.txt movies

.cache 0004.sh a5 f2.txt n1.txt

.config 0005.sh a6 f3.txt odd.txt.save

.local 0006.sh a7 f4.txt op.sh

.profile 0007.sh a8 factorial.sh row

.string.txt.swn 001 a9 file.txt

.string.txt.swo 5.txt assignment2 file1.txt

.sudo\_as\_admin\_successful a1 c.txt file2.txt

.viminfo a10 cdac file3.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -r

row file5.txt file.txt f1.txt assignment2 a5 a1 0005.sh

op.sh file4.txt factorial.sh dir2 a9 a4 5.txt 0004.sh

odd.txt.save file3.txt f4.txt dir1 a8 a3 001 0003.sh

n1.txt file2.txt f3.txt cdac a7 a2 0007.sh 0002.sh

movies file1.txt f2.txt c.txt a6 a10 0006.sh 0001.sh

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sort f1.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -t

n1.txt f2.txt file1.txt factorial.sh 0003.sh a10 a6 odd.txt.save

5.txt file5.txt file.txt movies 0004.sh a9 a4 dir2

f4.txt file4.txt cdac 0001.sh 0005.sh a7 a2 0002.sh

f3.txt file3.txt c.txt 001 a1 a8 a3 row

f1.txt file2.txt op.sh 0006.sh 0007.sh a5 assignment2 dir1

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -rt

dir1 assignment2 a5 0007.sh 0006.sh op.sh file2.txt f1.txt

row a3 a8 a1 001 c.txt file3.txt f3.txt

0002.sh a2 a7 0005.sh 0001.sh cdac file4.txt f4.txt

dir2 a4 a9 0004.sh movies file.txt file5.txt 5.txt

odd.txt.save a6 a10 0003.sh factorial.sh file1.txt f2.txt n1.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -l

total 1

-rwxrwxrwx 1 abhishekpatil97 abhishekpatil97 57 Oct 10 15:47 0001.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 37 Oct 8 14:38 0002.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 64 Oct 10 11:56 0003.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 10 01:00 0004.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 407 Oct 10 00:46 0005.sh

-rwxrwxrwx 1 abhishekpatil97 abhishekpatil97 148 Oct 10 15:39 0006.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 546 Oct 10 00:24 0007.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 2 Oct 10 15:40 001

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:48 5.txt

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 10 00:32 a1

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a10

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a2

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a3

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a4

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a5

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a6

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a7

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a8

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 a9

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 9 21:45 assignment2

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:35 c.txt

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 12 14:37 cdac

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 8 14:23 dir1

drwxrwxrwx 1 root root 512 Oct 8 15:55 dir2

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:48 f1.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:48 f2.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:48 f3.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:48 f4.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 95 Oct 11 14:38 factorial.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:46 file.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:47 file1.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:47 file2.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:47 file3.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:47 file4.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 12 14:47 file5.txt

drwxrwxrwx 1 abhishekpatil97 sudo 512 Oct 10 23:02 movies

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 32 Oct 12 14:51 n1.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 71 Oct 9 16:58 odd.txt.save

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 331 Oct 12 08:34 op.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 8 14:33 row

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -ld

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 12 14:51 .

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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

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

b)user can write the file c.txt

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

Contents of file d.sh:

#/bin/sh

ls -lh

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +rw f1.txt f2.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +w f3.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cat > b.sh

#!/bib/bash

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

Analyze the output.

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

Analyze the output.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -ld

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 12 14:51 .

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +rw f1.txt f2.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +w f3.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cat > b.sh

#!/bib/bash

chmod +b.sh

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cat > b.sh

abhishekpatil97@LAPTOP-OB21UUJ4:~$ vi b.sh

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +x a1

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod +r a1

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

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

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Note:Many operation might not work.Analyze them

1. Create Three level nested directory a,b and c

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mkdir x

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mkdir y

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mkdir z

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd x

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ mkdir x1

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd x1

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ mkdir x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ mkdir .x2

a)Create at least one hidden file in each directory

b)Create at least one normal text file in each directory

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ mkdir .x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ touch .x2.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ touch .x1.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ touch .x.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ touch x00.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd x1

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ touch x11.txt

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ touch x22.txt

c)Copy c into a

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ cp z x

cp: cannot stat 'z': No such file or directory

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cp z x

cp: -r not specified; omitting directory 'z'

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cp -r z x

d)Copy file inside a into b

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cp x00.txt b

2. Change the third level directory c permission to read only

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ chmod 111 x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd x2

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/x2$ chmod 111 x22.txt

3. Try copying third level c directory to outside of a

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cp -r x2 x

4. Create the directory “data“ inside b

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ mkdir b1

5. Change the permission of b to read and write only

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ chmod 666 b1

6. Create directory “data2” inside b

7. Create data.txt file inside b

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1/b2$ touch data.txt

8. Rename the second level directory c to copied\_dir

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ mv x2 copied\_dir

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ ls -lh

total 0

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 22:03 b

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 21:55 x00.txt

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:37 x1

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:01 z

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd x1

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ ls -lh

total 0

drw-rw-rw- 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:27 b1

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:32 b2

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:56 copied\_dir

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:16 x

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 21:55 x11.txt

9. Change permission of copied\_dir to only executable

10. Try ls on copied\_dir

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ chmod 111 copied\_dir

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ ls -lh

total 0

drw-rw-rw- 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:27 b1

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:32 b2

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:56 copied\_dir

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:16 x

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 21:55 x11.t

11. Try moving copied\_dir to outside of a

mv copied\_dir ~/abhishekpatil97

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ mv copied\_dir ~/abhishekpatil97

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -lh

total 0

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 15:28 Lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:50 a

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 00:42 c

---x--x--x 1 abhishekpatil97 abhishekpatil97 10 Oct 7 00:17 d.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 6 23:49 d.txt

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:36 dhoni

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 15:50 edac

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 18:50 lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:11 nikhil

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:12 nikhil1

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:48 nikhilp

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:56 abhishekpatil97

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:03 x

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 y

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 z

12. Try moving data directory outside of a

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ mv data ~/abhishekpatil97

abhishekpatil97@LAPTOP-OB21UUJ4:~/x/x1$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~/x$ cd ..

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -lh

total 0

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 15:28 Lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:50 a

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 00:42 c

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:56 copied\_dir

---x--x--x 1 abhishekpatil97 abhishekpatil97 10 Oct 7 00:17 d.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 6 23:49 d.txt

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:36 dhoni

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 15:50 edac

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 18:50 lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:11 nikhil

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:12 nikhil1

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:48 nikhilp

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 23:11 abhishekpatil97

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:03 x

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 y

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 z

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mv abhishekpatil97 data

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -lh

total 0

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 15:28 Lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:50 a

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 00:42 c

d--x--x--x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:56 copied\_dir

---x--x--x 1 abhishekpatil97 abhishekpatil97 10 Oct 7 00:17 d.sh

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 6 23:49 d.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 7 23:11 data

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:36 dhoni

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 15:50 edac

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 6 18:50 lab

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:11 nikhil

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 5 16:12 nikhil1

drwxrwxrwx 1 abhishekpatil97 abhishekpatil97 512 Oct 6 23:48 nikhilp

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 22:03 x

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 y

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 7 21:52 z

13. Now change the owner of the directory a to root

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chown root dir2

chown: changing ownership of 'dir2': Operation not permitted

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo chown root dir2

[sudo] password for abhishekpatil97:

14. Change permission of a to read write and executable to only user

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chown user dir1

chown: invalid user: ‘user’

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chown abhishekpatil97 dir1

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls -l

total 0

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 8 14:23 dir1

drwxr-xr-x 1 root abhishekpatil97 512 Oct 8 14:28 dir2

drwxr-xr-x 1 abhishekpatil97 abhishekpatil97 512 Oct 8 14:28 dir3

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 37 Oct 8 14:38 nikhil.txt

-rw-r--r-- 1 abhishekpatil97 abhishekpatil97 0 Oct 8 14:33 row

15. Try creating directory sample inside a

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd dir2

abhishekpatil97@LAPTOP-OB21UUJ4:~/dir2$ mkdir sample

mkdir: cannot create directory ‘sample’: Permission denied

abhishekpatil97@LAPTOP-OB21UUJ4:~/dir2$ sudo mkdir sample

abhishekpatil97@LAPTOP-OB21UUJ4:~/dir2$ cd ..

16. Create directory x outside a

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mkdir dir3

17. Try moving x inside a

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo mv dir3 dir2

abhishekpatil97@LAPTOP-OB21UUJ4:~$ ls

dir1 dir2 nikhil.txt row

18. Create directory movies

19. Change group of movies to sudo

abhishekpatil97@LAPTOP-OB21UUJ4:~$ mkdir movies

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chgrp sudo movies

20. Change group of movies to avahi

21. Try changing permission after changing ownership to roots

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo chmod 777 dir2

22. Try Changing permission after changing group to sudo without sudo

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chmod 777 movies

23. Try Changing owner and group both to root

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chown chgrp root dir1

chown: invalid user: ‘chgrp’

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chown root dir2

abhishekpatil97@LAPTOP-OB21UUJ4:~$ chgrp root dir2

chgrp: changing group of 'dir2': Operation not permitted

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo chgrp dir2

chgrp: missing operand after ‘dir2’

Try 'chgrp --help' for more information.

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo chgrp root dir2

24. Try changinging permission

abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo chmod 777 dir2

25. abhishekpatil97@LAPTOP-OB21UUJ4:~$ sudo rm -r dir3

rm: cannot remove 'dir3': No such file or directory

abhishekpatil97@LAPTOP-OB21UUJ4:~$ cd dir2

abhishekpatil97@LAPTOP-OB21UUJ4:~/dir2$ sudo rm -r dir3

abhishekpatil97@LAPTOP-OB21UUJ4:~/dir2$ ls

sample