

Task-1(a)

```
cd Desktop
mkdir Assignment_1
cd Assignment_1
touch 21201496_1.txt
touch 21201496_2.txt
touch 21201496_3.txt
touch 21201496_4.txt
mkdir ome1 ome2
mv 21201496_1.txt 21201496_2.txt 21201496_3.txt ome1
cd ome1
cp 21201496_1.txt 21201496_2.txt ~/Desktop/Assignment_1/ome2
cd ..
mkdir ome3
cp -r ome1 ome3
cd ome3
ls -l
chmod go=rx *ome1
ls -l
cd ..
ls -la
sudo mv ome3 /
sudo ls /
rm -r ~/Desktop/Assignment_1/*
```

```
abrab@abrab-VirtualBox: ~/Desktop/Assignment_1
abrab@abrab-VirtualBox:~$ cd Desktop
abrab@abrab-VirtualBox:~/Desktop$ mkdir Assignment_1
abrab@abrab-VirtualBox:~/Desktop$ cd Assignment_1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ touch 21201496_1.txt
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ touch 21201496_2.txt
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ touch 21201496_3.txt
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ touch 21201496_4.txt
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ mkdir ome1 ome2
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ mv 21201496_1.txt 21201496_2.txt 21201496_3.txt ome1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ cd ome1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome1$ cp 21201496_1.txt 21201496_2.txt ~/Desktop/Assignment_1/ome2
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome1$ cd ..
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ mkdir ome3
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ cp -r ome1 ome3
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ cd ome3
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome3$ ls -l
total 4
drwxrwxr-x 2 abrab abrab 4096 2020-08-14 00:04 ome1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome3$ chmod go=rx *ome1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome3$ ls -l
total 4
drwxr-xr-x 2 abrab abrab 4096 2020-08-14 00:04 ome1
abrab@abrab-VirtualBox:~/Desktop/Assignment_1/ome3$ cd ..
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ ls -a
. . . 21201496_4.txt ome1 ome2 ome3
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ sudo mv ome3 /
[sudo] password for abrab:
mv: cannot move 'ome3' to '/ome3': Directory not empty
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ sudo mv ome3 /
mv: cannot move 'ome3' to '/ome3': Directory not empty
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ sudo mv ome3 /
mv: cannot move 'ome3' to '/ome3': Directory not empty
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ sudo ls /
bin dev lib libx32 mnt proc sbin swapfile usr
boot etc lib32 lost+found ome3 root snap sys var
cdrom home lib64 media opt run srv tmp
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ rm -r ~/Desktop/Assignment_1/*
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$
```

Task-1(b)

echo -e "CSE320 Data Communication Sec3\nCSE21 Operating System
Sec5\nCSE330 Numerical Methods Sec2\nCSE360 Computer Interfacing
Sec-1" > course.txt

grep -c "CSE" course.txt

```
abrab@abrab-VirtualBox: ~/Desktop
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ cd..
cd..: command not found
abrab@abrab-VirtualBox:~/Desktop/Assignment_1$ cd ..
abrab@abrab-VirtualBox:~/Desktop$ echo -e "CSE320 Data Communication Sec3\nCSE21 Operating System Sec5\nCSE330 Numerical Methods Sec2\nCSE360 Computer Interfacing Sec-1" > course.txt
abrab@abrab-VirtualBox:~/Desktop$ grep -c "CSE" course.txt
4
abrab@abrab-VirtualBox:~/Desktop$ s
```

Task-1(c)

sudo ls -a /

```
abrab@abrab-VirtualBox:~/Desktop$ sudo ls -a /
.  bin  cdrom  etc  lib  lib64  lost+found  mnt  opt  root  sbin  srv  sys  usr
.. boot  dev  home  lib32  libx32  media  ome3  proc  run  snap  swapfile  tmp  var
abrab@abrab-VirtualBox:~/Desktop$
```

Task-1(d)

cat > task1_d.txt <<END

This is line num: 1

This is line num: 2

This is line num: 3

This is line num: 4

This is line num: 5

This is line num: 6

This is line num: 7

This is line num: 8

This is line num: 9

This is line num: 10

This is line num: 11

This is line num: 12

This is line num: 13

This is line num: 14

This is line num: 15

This is line num: 16

This is line num: 17

This is line num: 18

This is line num: 19

This is line num: 20

END

sed -n '5,17p' task1_d.txt

```
abrab@abrab-VirtualBox:~/Desktop$ cat > task1_d.txt <<END
> This is line num: 1
> This is line num: 2
> This is line num: 3
> This is line num: 4
> This is line num: 5
> This is line num: 6
> This is line num: 7
> This is line num: 8
> This is line num: 9
> This is line num: 10
> This is line num: 11
> This is line num: 12
> This is line num: 13
> This is line num: 14
> This is line num: 15
> This is line num: 16
> This is line num: 17
> This is line num: 18
> This is line num: 19
> This is line num: 20
> END
abrab@abrab-VirtualBox:~/Desktop$ sed -n '5,17p' task1_d.txt
This is line num: 5
This is line num: 6
This is line num: 7
This is line num: 8
This is line num: 9
This is line num: 10
This is line num: 11
This is line num: 12
This is line num: 13
This is line num: 14
This is line num: 15
This is line num: 16
This is line num: 17
abrab@abrab-VirtualBox:~/Desktop$
```