

## TASK 1:

```
1.root@WPL-31:~/Desktop# cat cse.txt
root@WPL-31:~/Desktop# cat >cse.txt
New File Has Been Created
root@WPL-31:~/Desktop# chmod 0666 cse.txt
```

```
2.root@WPL-31:~/Desktop# ls -l
total 32
-rw--w---- 1 root root 2856 Jul 11 15:07 A3
-rw-rw-rw- 1 root root  26 Jul 18 13:56 cse.txt
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxr-x 2 root root 4096 Jul 11 14:47 SSN3
-rw--w---- 1 root root 9997 Jul  4 15:05 unix.txt
```

```
3.root@WPL-31:~/Desktop# chmod -w cse.txt
chmod: cse.txt: new permissions are rw-rw-rw-, not r--r--r--
```

```
4.root@WPL-31:~/Desktop# echo "This is the new contenet to be appended">>cse.txt
root@WPL-31:~/Desktop# cat cse.txt
New File Has Been Created
This is the new contenet to be appended
```

```
5.root@WPL-31:~/Desktop# mkdir dept
```

```
6.root@WPL-31:~/Desktop# ls -l
total 36
-rw--w---- 1 root root 2856 Jul 11 15:07 A3
-rw-rw-rw- 1 root root  66 Jul 18 13:59 cse.txt
d--x--x--x 2 root root 4096 Jul 18 13:59 dept
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxr-x 2 root root 4096 Jul 11 14:47 SSN3
-rw--w---- 1 root root 9997 Jul  4 15:05 unix.txt
```

```
7.root@WPL-31:~/Desktop# chmod -x dept
root@WPL-31:~/Desktop# ls -l
total 36
-rw--w---- 1 root root 2856 Jul 11 15:07 A3
-rw-rw-rw- 1 root root  66 Jul 18 13:59 cse.txt
d----- 2 root root 4096 Jul 18 13:59 dept
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxr-x 2 root root 4096 Jul 11 14:47 SSN3
-rw--w---- 1 root root 9997 Jul  4 15:05 unix.txt
```

```
8.root@WPL-31:~/Desktop# mv dept department
root@WPL-31:~/Desktop# ls
A3      department SSN2  unix.txt
cse.txt SSN1      SSN3
```

## TASK 2:

```
1.root@WPL-31:~/Desktop# umask 700
```

```
2.root@WPL-31:~/Desktop# mkdir SSN
```

```
root@WPL-31:~/Desktop# ls -l
```

```
total 40
-rw-r--r-- 1 root root  0 Jul 18 14:02 a3
-rw--w---- 1 root root 2856 Jul 11 15:07 A3
-rw-rw-rw- 1 root root  66 Jul 18 13:59 cse.txt
d----- 2 root root 4096 Jul 18 13:59 department
d---rwxrwx 2 root root 4096 Jul 18 14:06 SSN
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxr-x 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxr-x 2 root root 4096 Jul 11 14:47 SSN3
-rw--w---- 1 root root 9997 Jul  4 15:05 unix.txt
root@WPL-31:~/Desktop# ls -u
SSN department SSN1 SSN3 unix.txt
a3 cse.txt SSN2 A3
```

d---rwxrwx is the permission granted to the directory SSN. This is not 700, since 700 has the permission drwx-----. This is because the directory, by default, is assigned the read, write and execute options for the groups and others and not the user.

```
3.root@WPL-31:~/Desktop# chmod -R 777 *
```

```
root@WPL-31:~/Desktop# ls -l
```

```
total 44
-rwxrwxrwx 1 root root  0 Jul 18 14:02 a3
-rwxrwxrwx 1 root root 2856 Jul 11 15:07 A3
-rwxrwxrwx 1 root root  66 Jul 18 13:59 cse.txt
drwxrwxrwx 2 root root 4096 Jul 18 13:59 department
-rwxrwxrwx 1 root root  55 Jul 18 14:13 sample.txt
drwxrwxrwx 2 root root 4096 Jul 18 14:06 SSN
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxrwx 2 root root 4096 Jul 11 14:47 SSN3
-rwxrwxrwx 1 root root 9997 Jul  4 15:05 unix.txt
```

```
4.root@WPL-31:~/Desktop# cat >sample.txt
```

```
ls -l
```

```
5.root@WPL-31:~/Desktop# ls -l
```

```
total 44
-rwxrwxrwx 1 root root  0 Jul 18 14:02 a3
-rwxrwxrwx 1 root root 2856 Jul 11 15:07 A3
-rwxrwxrwx 1 root root  66 Jul 18 13:59 cse.txt
drwxrwxrwx 2 root root 4096 Jul 18 13:59 department
----rw-rw- 1 root root  6 Jul 18 14:21 sample.txt
drwxrwxrwx 2 root root 4096 Jul 18 14:06 SSN
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN2
```

```
drwxrwxrwx 2 root root 4096 Jul 11 14:47 SSN3
-rwxrwxrwx 1 root root 9997 Jul  4 15:05 unix.txt
```

-rw----- is the permission for 600. However, the permission applied is ----rw-rw-. This is because the read, write access is granted to groups and others

```
6.root@WPL-31:~/Desktop# umask u+x. It's value is 700
```

```
7.root@WPL-31:~/Desktop# mkdir SSN1
mkdir: cannot create directory â€™SSN1â€™: File exists
root@WPL-31:~/Desktop# cd SSN1
root@WPL-31:~/Desktop/SSN1# cat >college1.txt
hello world
root@WPL-31:~/Desktop/SSN1# cd ../
root@WPL-31:~/Desktop# mkdir SSN2
mkdir: cannot create directory â€™SSN2â€™: File exists
root@WPL-31:~/Desktop# cd SSN2
root@WPL-31:~/Desktop/SSN2# cat >college2.txt
hello world 2
root@WPL-31:~/Desktop/SSN2# cd ../
root@WPL-31:~/Desktop# mkdir SSN3
mkdir: cannot create directory â€™SSN3â€™: File exists
root@WPL-31:~/Desktop# cd SSN3
root@WPL-31:~/Desktop/SSN3# cat >college3.txt
hello world 3
root@WPL-31:~/Desktop/SSN3# cd ../
```

```
8.root@WPL-31:~/Desktop# ls -l
total 44
-rwxrwxrwx 1 root root  0 Jul 18 14:02 a3
-rwxrwxrwx 1 root root 2856 Jul 11 15:07 A3
-rwxrwxrwx 1 root root  66 Jul 18 13:59 cse.txt
drwxrwxrwx 2 root root 4096 Jul 18 13:59 department
----rw-rw- 1 root root  6 Jul 18 14:21 sample.txt
drwxrwxrwx 2 root root 4096 Jul 18 14:06 SSN
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN2
drwxrwxrwx 2 root root 4096 Jul 11 14:47 SSN3
-rwxrwxrwx 1 root root 9997 Jul  4 15:05 unix.txt
```

```
9.root@WPL-31:~/Desktop# chmod -R +w *
```

```
10.root@WPL-31:~/Desktop# ls -l
total 44
-rwxrwxrwx 1 root root  0 Jul 18 14:02 a3
-rwxrwxrwx 1 root root 2856 Jul 11 15:07 A3
-rwxrwxrwx 1 root root  66 Jul 18 13:59 cse.txt
drwxrwxrwx 2 root root 4096 Jul 18 13:59 department
----rw-rw- 1 root root  6 Jul 18 14:21 sample.txt
drwxrwxrwx 2 root root 4096 Jul 18 14:06 SSN
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN1
drwxrwxrwx 2 root root 4096 Jul 11 14:46 SSN2
```

drwxrwxrwx 2 root root 4096 Jul 11 14:47 SSN3  
-rwxrwxrwx 1 root root 9997 Jul 4 15:05 unix.txt

### TASK 3:

root@WPL-31:~# cd Desktop

root@WPL-31:~/Desktop# vi sample.txt

root@WPL-31:~/Desktop# cat sample.txt

Press i to go to insert mode

Press escape dd to delete an entire line

Esc-to terminate

Esc :w-To save the file and keep the file open

Esc:wq-to save and quit the file

a-can be used to append a character at the cursor

A-can be used to append a character at the end of the line

Escape x:will delete the character at the cursor

Escape :q quit the file without saving

Insert commands

i-to insert at the current position

I-to insert at the beginning of the line

o-to insert a new line below the current line

O-to insert a new line above the current line

Moving within a file

k-Move cursor up

j-Move cursor down

h-Move cursor left

l-move cursor right

root@WPL-31:~/Desktop#