

Problem 1: Read the instructions carefully and answer accordingly. If there is any need to insert some data then do that as well.

```
cdac@SWATI:~$ cd
cdac@SWATI:~$ ls
cdac@SWATI:~$ mkdir LinuxAssignment
cdac@SWATI:~$ ls
LinuxAssignment
cdac@SWATI:~$ cd LinuxAssignment
cdac@SWATI:~/LinuxAssignment$ touch file1.txt
cdac@SWATI:~/LinuxAssignment$ ls -l
total 0
-rw-r--r-- 1 cdac cdac 0 Aug 29 16:37 file1.txt
cdac@SWATI:~/LinuxAssignment$ mkdir docs
cdac@SWATI:~/LinuxAssignment$ ls
docs file1.txt
cdac@SWATI:~/LinuxAssignment$ mv file1.txt docs
cdac@SWATI:~/LinuxAssignment$ ls
docs
cdac@SWATI:~/LinuxAssignment$ cd docs
cdac@SWATI:~/LinuxAssignment/docs$ mv file1.txt file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ ls
file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ ls -l
total 0
-rw-r--r-- 1 cdac cdac 0 Aug 29 16:37 file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ chmod u+rw file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ chmod o-rw file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ chmod g-rw file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ ls -l
total 0
-rwx----- 1 cdac cdac 0 Aug 29 16:37 file2.txt
cdac@SWATI:~/LinuxAssignment/docs$ █
```

```
cdac@SWATI:~$ cd LinuxAssignment
cdac@SWATI:~/LinuxAssignment$ ls docs
file2.txt
cdac@SWATI:~/LinuxAssignment$ ls
docs
cdac@SWATI:~/LinuxAssignment$ ls docs
file2.txt
cdac@SWATI:~/LinuxAssignment$ █
```

```
cdac@SWATI:~$ nano file1.txt
cdac@SWATI:~$ cat file1.txt
My Name is Swati
cdac@SWATI:~$ █
```

Problem 2: Read the instructions carefully and answer accordingly. If there is any need to insert some data then do that as well.

```
cdac@SWATI:~$ nano numbers.txt
cdac@SWATI:~$ cat numbers.txt
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
cdac@SWATI:~$ tail -n 3 numbers.txt
13
14
15
```

```
cdac@SWATI:~$ nano duplicate.txt
cdac@SWATI:~$ sort duplicate.txt | uniq
flowers
hellow
love
rose
swati
you
```

```
cdac@SWATI:~$ nano fruit.txt
cdac@SWATI:~$ cat fruit.txt
mango
apple
dragonfruit
jackfruit
apple
strawberry
mango
cdac@SWATI:~$ sort fruit.txt | uniq -c
      2 apple
      1 dragonfruit
      1 jackfruit
      2 mango
      1 strawberry
```

```
cdac@SWATI:~$ tail -n 5 data.txt
my favourite subject is OS
My city is Nashik
My hobby is reading
I love freedom
I want great Placement
cdac@SWATI:~$ head -n 10 data.txt
my name is swati
I have completed My graduation
my gratuation college was MET
my Branch is computer engineering
I am cdac student
my favourite subject is OS
My city is Nashik
My hobby is reading
I love freedom
I want great Placement
cdac@SWATI:~$ nl -ba head -n 10 data.txt
nl: invalid line numbering format: '10'
Try 'nl --help' for more information.
```

```
cdac@SWATI:~$ nano data.txt
cdac@SWATI:~$ cat data.txt
my name is swati
I have completed My graduation
my gratuation college was MET
my Branch is computer engineering
I am cdac student
my favourite subject is OS
My city is Nashik
My hobby is reading
I love freedom
I want great Placement
cdac@SWATI:~$ sort data.txt |uniq -c
      1 I am cdac student
      1 I have completed My graduation
      1 I love freedom
      1 I want great Placement
      1 My city is Nashik
      1 My hobby is reading
      1 my Branch is computer engineering
      1 my favourite subject is OS
      1 my gratuation college was MET
      1 my name is swati
cdac@SWATI:~$ tail -n 5 data.txt
my favourite subject is OS
My city is Nashik
My hobby is reading
I love freedom
I want great Placement
cdac@SWATI:~$ head -n 10 data.txt
my name is swati
I have completed My graduation
my gratuation college was MET
my Branch is computer engineering
I am cdac student
```

```
cdac@SWATI:~$ nano input.txt
cdac@SWATI:~$ tr 'a-z' 'A-Z' < input.txt > output.txt
cdac@SWATI:~$ cat output.txt
```

```
IF YOU WANT TO BUILD A SHIP,
DON'T DRUM UP PEOPLE TOGETHER TO COLLECT WOOD
AND DON'T ASSIGN THEM TASKS AND WORK,
BUT RATHER TEACH THEM TO LONG FOR THE ENDLESS IMMENSITY
OF THE SEA.
```