

a. Display first 10 lines

```
Hello...
This is Nehal Kakade
This is my OS assignment
I am doing problem 1
I am doing problem 2
I am doing problem 3
I am doing problem 4
I am doing problem 5
I am doing problem 6
I am doing problem 7
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$
```

Commands Used-

- head – to display head/top lines from file [by default displays top 10 lines]

b. Display last 5 lines

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ tail -5 file.txt
I am doing problem 7
I have solved everything
I am ending this file
Have a good day!
Bye Bye
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$
```

Commands Used-

- tail – to display tail/bottom lines from file

c. Display first 15 lines

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ head -15 numbers.txt
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15
```

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ █
```

Commands Used-

- head – to display head/top lines from file [by default displays top 10 lines]

d. Display last 3 lines

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ tail -3 numbers.txt
```

```
18  
19  
20
```

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ █
```

Commands Used-

- tail – to display tail/bottom lines from file

e. Translate all lower case to upper case

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment$ cd docs
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ nano input.txt
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ tr '[:lower:]' '[:upper:]' < input.txt > output.txt
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ cat output.txt
I AM NEHAL KAKADE.THIS IS MY ASSIGNMET AND I AM DOING IT.
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ |
```

Commands Used-

- tr – to translate
- [:lower:] – for lower case
- [:upper:] – for upper case

f. Display unique lines

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ nano duplicate.txt
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ sort duplicate.txt | uniq -c
  1 Hello.
  1 I am Nehal.
  1 I am doing my work.
  1 I am ending this.
  2 This is my assignment.
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ |
```

Commands Used-

- sort – to sort
- uniq – to find unique lines out of file [-c – used to count occurrence of those lines in file]

g. Display unique lines and count

```
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ nano fruits.txt
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ sort fruits.txt | uniq -c
  1
  2 Apple
  1 Banana
  1 Jamun
  2 Mango
  1 Pineapple
  1 Watermelon
cdac@DESKTOP-53NKIQ7:~/LinuxAssignment/docs$ |
```

Commands Used-

- sort – to sort
- uniq – to find unique lines out of file [-c – used to count occurrence of those lines in file]