Experiment No.: 6   **Date: 14-03-2023**

AIM: Familiarization of linux commands.

CO2: Perform system administration task.

Procedure:

1.grep -i : to search something(case sensitive searching)
$grep -i filename

```
student@t2:~/Documents/Philip$ cat > mark1
English 89
Maths 85
Science 78
^Z
[1]+  Stopped                    cat > mark1
student@t2:~/Documents/Philip$ grep -i 89 mark1
English 89
student@t2:~/Documents/Philip$ 
```

1.1.grep -v: This prints out all the lines that do not matches the pattern
$grep -v filename

```
student@t2:~/Documents/Philip$ grep -v 89 mark1
Maths 85
Science 78
student@t2:~/Documents/Philip$ 
```

1.2 Grep -A1: Prints searched line and nlines after the result.

```
student@t2:~/Documents/Philip$ grep -A1 English  mark1
English 89
Maths 85
student@t2:~/Documents/Philip$ 
```

1.3Grep -B1: Prints searched line and n line before the result.

```
student@t2:~/Documents/Philip$ grep -B1 Science  mark1
Maths 85
Science 78
student@t2:~/Documents/Philip$ 
```

1.4 Grep -C1 : Prints searched line and n lines after before the result.

```
student@t2:~/Documents/Philip$ grep -C1 Science  mark1
Maths 85
Science 78
Malayalam 98
student@t2:~/Documents/Philip$
```

1.5 head - Display first 10 lines of a file

```
student@t2:~/Documents/Philip$ head demo.txt
1
2
3
4
5
6
7
8
9
10
student@t2:~/Documents/Philip$
```

1.6Head -n :Display first n lines of a file

```
student@t2:~/Documents/Philip$ head -5 demo.txt
1
2
3
4
5
student@t2:~/Documents/Philip$
```

1.7 Tail : Display last 10 lines of a file

```
student@t2:~/Documents/Philip$ tail demo.txt
6
7
8
9
10
11
12
13
14
15
```

1.8 Tail -n : Display last n lines of a file

```
student@t2:~/Documents/Philip$ tail -5 demo.txt
11
12
13
14
15
student@t2:~/Documents/Philip$
```

2. Mv : used to move one file from one location to other and content will be over written

```
student@t2:~/Documents/Philip$ mv demo.txt mark1
student@t2:~/Documents/Philip$ cat mark1
1
2
3
4
5
6
```

2.1 mv -b : backup a file

```
student@t2:~/Documents/Philip$ mv -b mark1 backup
student@t2:~/Documents/Philip$ ls
backup   backup~
student@t2:~/Documents/Philip$
```

2.2 mv -i : Display warning of over writing

```
student@t2:~/Documents/Philip$ mv -i backup backup1
mv: overwrite 'backup1'? y
student@t2:~/Documents/Philip$
```

Result

The program was executed and the result was successfully obtained. Thus CO2 was attained