## Experiment No.: 2

**Date: 07-03-2023**

## Aim

Familiarisation of linux commands

## CO1

Perform system administration task.

## Procedure

**1:cd [directoryname]:** Change in directory

**$cd keerthi**

## Output Screenshot

```
student@t2:~$ cd keerthi
```

**2: . cat > [filename] :** Create a new file and open it to add content.

**$cat > file7 .txt**

## Output Screenshot

```
student@t2:~/keerthi$ cat > file7.txt
ironman
loki
^Z
[1]+  Stopped                 cat > file7.txt
```

**3: cut –b1 [filename] :** It is used to cut a specific section by bytes.

**$cut –b1 file7.txt**

## Output Screenshot

```
student@t2:~/keerthi$ cut -b1 file7.txt
i
l
```

**3.1: cut –c2 [filename] :** It is used to select the specified characters.

**$ cut –c2 file7.txt**

## Output Screenshot

```
student@t2:~/keerthi$ cut -c2 file7.txt
r
o
```

**3.2: . cat > [filename] :** Create a new file and open it to add content.

**$cat > mark3**

## Output Screenshot

```
student@t2:~/keerthi$ cat > mark3
maths -40
physics -50
biology-70
^Z
[4]+  Stopped                 cat > mark3
```

**3.3.cut –d - -f1 mark1 :** It is used to cut a specific section by a delimiter.

**$ cut –d - -f1 mark1**

## Output Screenshot

```
student@t2:~/keerthi$ cut -d - -f1 mark3
maths
physics
biology
```

**3.4. cut –d - -f2 [filename] :** It is used to select the specific fields. It also prints any line that does not contain any delimiter character, unless the -s option is specified.

**$ cut –d - -f2 mark3**

## Output Screenshot

```
student@t2:~/keerthi$ cut -d - -f2  mark3
40
50
70
```

**3.5. cut –d ‘ ’ -f2 [filename] :** It is used to select the specific fields. It also prints any line that does not contain any delimiter character, unless the -s option is specified

.

**$ cut –d ‘ ’ -f2 mark3**

## Output Screenshot

```
student@t2:~/keerthi$ cut -d  ' ' -f2  mark3
-40
-50
biology-70
```

**4. paste [filename]**

**$ paste mark3 mark4**

## Output Screenshot

```
student@t2:~/keerthi$ cat > mark4
datastructure 75
digital 50
python 40
^Z
[5]+  Stopped                 cat > mark4
student@t2:~/keerthi$ paste mark3 mark4
maths -40       datastructure 75
physics -50     digital 50
biology-70      python 40
student@t2:~/keerthi$ paste mark3 mark4 > mark5
student@t2:~/keerthi$ cat mark5
maths -40       datastructure 75
physics -50     digital 50
biology-70      python 40
```

```
student@t2:~/keerthi$ paste  -d  '%' mark3 mark4
maths -40%datastructure 75
physics -50%digital 50
biology-70%python 40
student@t2:~/keerthi$ paste  -s mark1
maths   datastructure   digital python
```

```
student@t2:~/keerthi$ cp mark3 mark5
student@t2:~/keerthi$ cat mark5
maths -40
physics -50
biology-70
student@t2:~/keerthi$ cp mark3 mark4
student@t2:~/keerthi$ cat mark4
maths -40
physics -50
biology-70
student@t2:~/keerthi$ ls
file7.txt  mark1  mark2  mark3  mark4  mark5
student@t2:~/keerthi$ cd ..
student@t2:~$ mkdir newpro
student@t2:~$ cp -r keerthi newpro
student@t2:~$ ls
Desktop    Downloads  file3.txt   file4.txt  file6.txt  keerthi  newpro      Pictures  PycharmProjects  Templates
Documents  file1.txt  file4.text  file5.txt  file.txt   Music    output.txt  Public    snap             Videos
```

## Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.