Experiment no:4 **Date:10-03-2023**

Aim: Familiarization with Linux command.

CO2: Perform system administration tasks.

Procedure:

1. cut -c 1 [filename]: for cutting out the section from each line and writing the result for standard output.
   $cut -c 1 dia
   Output:

```
student@t2:~/diya$ cut -c 1 dia
E
M
M
```

   i. cut -c [position] [filename]: cut by position
   $cut -b 2 dia
   Output:

```
student@t2:~/diya$ cut -b 2 dia
n
a
a
```

   ii. cut -d [delimiter] -f1 [filename]: cut by delimiter.
   $cut -d : -f1 dia
   Output:

```
student@t2:~/diya$ cut -d : -f1 dia
English-85
Maths-80
Malayalam-99
ASE
hindi
social
```

   iii. cut --complement -c 1 [filename]: to cut by complement pattern.
   $cut --complement -c 1 dia
   Output:

```
student@t2:~/diya$ cut --complement -c 1 dia
nglish-85
aths-80
alayalam-99
SE: 78
indi:97
ocial:95
```

2. paste [file1][file2]: to paste the contents of one file to another
   $paste dia myfile
   Output:

```
student@t2:~/diya$ paste dia > myfile
student@t2:~/diya$ cat myfile
English-85
Maths-80
Malayalam-99
ASE: 78
hindi:97
social:95
```

   i. paste -d [‘delimiter’] [file1][file2][file3]: to paste the contents of one file to another by delimiter.
      $paste -d ‘%’ dinla1 myfile m1
      Output:

```
student@t2:~/diya$ paste -d '%'  dinla1  myfile m1
happy%English-85%a-10%d
bad%Maths-80%
right%Malayalam-99%
dilna %ASE: 78%
desti%hindi:97%
%social:95%
%%
%%
thing %%
money heist%%
```

3. cp [file1] [file2]: to copy the contents to another file
   $cp test1 test2
   Output:

```
student@t2:~/trial$ cp test1 test2
student@t2:~/trial$ cat test2
Hai
```

   i. cp -r [directory][newdirectory]: to copy the directory to a new directory.
      $cp -r diya trial
      Output:

```
student@t2:~$ cp -r diya trial
student@t2:~$ cd trial
student@t2:~/trial$ ls
'cat appent.png'              'cd .. .png'            'cut by pos.png'  'ls -a.png'  'ls -t.png'    myfile1                 test
'cat display content.png'      cd.png                  dia              'ls -l.png'   m1             myfile2
'cat number line.png'         'cut by complement.png'  dinla1            ls.png      'man ls.png'  'paste by delimiter.png'
'cat .png'                    'cut by delimiter.png'   history.png      'ls -r.png'   mkdir.png     'paste file.png'
'cat to remove line num.png'  'cut by num.png'         'ls -al.png'      'ls -R.png'   myfile        pwd.png
```

Result

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