

NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 3

Aim

Familiarization of Linux commands.

Procedure

1. cut f2, cut f1

This cut f2 command is used to display the second column contents and f1 which displays the first column contents.

Syntax:

```
student@S15: ~/sample
File Edit View Search Terminal Help
student@S15:~$ mkdir sample
student@S15:~$ cd sample
student@S15:~/sample$ cat > mark1
englis 67
maths 70
computer 78
^Z
[5]+ Stopped          cat > mark1
student@S15:~/sample$ cut -d ' ' mark1
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@S15:~/sample$ cut -d ' ' -f2 mark1
```

Output:

```
student@S15:~/sample$ cut -d ' ' -f2 mark1
67
70
78
```

2. cut ‘ ‘

This command is used cut the spaces.

Syntax:

```
student@S15:~/sample$ cat > mark1
englis 67
maths 70
computer 78
^Z
[5]+ Stopped          cat > mark1
student@S15:~/sample$ cut -d ' ' mark1
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
student@S15:~/sample$ cut -d ' ' -f2 mark1
```

Output:

```
student@S15:~/sample$ cut -d ' ' -f2 mark1
67
70
78
```

Name: Mahima Manoj

Roll No: 15

Batch: RMCA2021-23 B

Date: 31/03/2021

3. **cut -b 2**

This command is used to displays the second letters.

Syntax:

```
student@S15:~/sample$ cut -b 2 mark1
```

Output:

```
student@S15:~/sample$ cut -b 2 mark1
n
a
o
```

4. **cut --complement -c 1**

This command is used to displays the contents except the first letter .

Syntax:

```
student@S15:~/sample$ cut --complement -c 1 mark1
```

Output:

```
student@S15:~/sample$ cut --complement -c 1 mark1
nglis 67
aths 70
omputer 78
```

5. **Paste**

This command is used to paste one file contents to another.

Syntax:

```
student@S15:~/sample$ cat > marvel1
captain america
iron man
thor
hulk
spider man
groot
thanos
^Z
[6]+  Stopped                  cat > marvel1
student@S15:~/sample$ cat > marvel2
dr strange
nebula
gamora
blacl widow
^Z
[7]+  Stopped                  cat > marvel2
student@S15:~/sample$ paste marvel1 marvel2
```

```
student@S15:~/sample$ paste marvel1 marvel2 > marvel3
```

Output:

```

student@S15:~/sample$ paste marvel1 marvel2
captain america dr strange
iron man          nebula
thor              gamora
hulk              blacl widow
spider man
groot
thanos
student@S15:~/sample$ paste marvel1 marvel2 > marvel3
student@S15:~/sample$ cat marvel3
captain america dr strange
iron man          nebula
thor              gamora
hulk              blacl widow
spider man
groot
thanos

```

6. Paste -d '-' file1 file2, Paste -d '%' file1 file2

This command is used to displays '-' and '%' in between the contents.

Syntax:

```

student@S15:~/sample$ paste -d '-' marvel1 marvel2
student@S15:~/sample$ paste -d '%' marvel1 marvel2 marvel1

```

Output:

```

student@S15: ~/sample
File Edit View Search Terminal Help
student@S15:~/sample$ paste -d '-' marvel1 marvel2
captain america-dr strange
iron man-nebula
thor-gamora
hulk-blacl widow
spider man-
groot-
thanos-
student@S15:~/sample$ paste -d '%' marvel1 marvel2 marvel1
captain america%dr strange+captain america
iron man%nebula+iron man
thor%gamora+thor
hulk%blacl widow+hulk
spider man%spider man
groot%groot
thanos%+thanos

```

7. Paste -s file1 file2

This command is used to displays the contents as single line.

Syntax:

```

student@S15:~/sample$ paste -s marvel1 marvel2

```

Output:

```

student@S15:~/sample$ paste -s marvel1 marvel2
captain america iron man      thor hulk      spider man      groot  thanos
dr strange      nebula  gamora  blacl widow

```

8. More, more -3 filename,+3 filename

This more command displays the output one screenful at a time ,more -3 command which displays the first 3 lines of contents and +3 displays the lines excepts the first three lines.

Syntax:

```
student@S15:~/sample$ cat > demo
Linux is an operating system's kernel
You might have heard of UNIX
Linux is a UNIX clone
But it was actually created by Linux Torvalds from Scratch
Linux is free and open-source, that means that you can simply change anything in
Linux and redistribute it in your own name! There are several Linux Distribu-
tions, commonly called "distros"
Linux is Mainly used in servers. About 90% of the internet is powered by Linux s-
ervers. This is because Linux is fast, secure, and free! The main problem of us-
ing Windows servers are their cost. This is solved by using Linux servers. The OS
that runs in about 80% of the smartphones in the world, Android, is also made f-
rom the Linux kernel. Most of the viruses in the world run on Windows, but not o-
n Linux! ^Z
[8]+ Stopped cat > demo
student@S15:~/sample$ more demo
```

```
student@S15:~/sample$ more -3 demo
```

Output:

```
student@S15:~/sample$ more -3 demo
Linux is an operating system's kernel
You might have heard of UNIX
Linux is a UNIX clone
But it was actually created by Linux Torvalds from Scratch
Linux is free and open-source, that means that you can simply change anything in Linux and redistribute it in your own name! There are several
Linux Distributions, commonly called "distros"
student@S15:~/sample$ more -4 demo1
Linux is Mainly used in servers. About 90% of the Internet is powered by Linux servers. This is because Linux is fast, secure, and free! The m
ain problem of using Windows servers are their cost. This is solved by using Linux servers. The OS that runs in about 80% of the smartphones i
n the world, Android, is also made from the Linux kernel. Most of the viruses in the world run on Windows, but not on Linux!
Linux is Mainly used in servers. About 90% of the Internet is powered by Linux servers. This is because Linux is fast, secure, and free! The m
--More-- (12%)
```

[illegible]