

NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No.: 4****Aim**

Familiarization of the Linux commands.

Procedure**1. cat -n**

This command return contents with line numbers.

Syntax:- \$ cat -n filename

Output:-

```
jobin@jobin-VirtualBox:~$ cat -n demo.txt
1 Hackers playground->kali linux
```

2. cat -b

This Returns contents with line numbers but excludes the empty lines

Syntax:- \$ cat -b filename

Output:-

```
jobin@jobin-VirtualBox:~$ cat -b demo.txt
1 Hackers playground->kali linux
```

3. touch

This command is used to create a empty file

Syntax:- \$ touch filename

Output:-

```
jobin@jobin-VirtualBox:~$ touch b1.txt
```

4. echo command >> filename

This command helps to add lines on the empty file

Syntax:- \$ echo command>> filename

Output:-

```
jobin@jobin-VirtualBox:~$ echo hello world >> b1.txt
jobin@jobin-VirtualBox:~$ cat b1.txt
hello world
```

5. head

This command returns first 10 lines in the file

Syntax:- \$ head filename

Output:-

```
jobin@jobin-VirtualBox:~$ cat >>b1.txt
hello
welcome
the
world
of
linux
^C
jobin@jobin-VirtualBox:~$ head b1.txt
hello world
hello
welcome
the
world
of
hello
welcome
the
world
jobin@jobin-VirtualBox:~$
```

6. head – (No. of lines)

This will return beginning lines specified in the command

Syntax:- \$ head -4 filename

Output:-

```
jobin@jobin-VirtualBox:~$ head -4 b1.txt
hello world
hello
welcome
the
jobin@jobin-VirtualBox:~$
```

7. tail

This returns the last 10 lines in the file

Syntax \$ tail filename

Output:-

```
jobin@jobin-VirtualBox:~$ tail b1.txt
welcome
the
world
of
hello
welcome
the
world
of
linux
```

8. tail – (No. of lines)

This will return last no of lines specified in the command

Syntax:- \$ tail -4 filename

Output:-

```
jobin@jobin-VirtualBox:~$ tail -4 b1.txt
the
world
of
linux
```

9. cut -f2

This commands in Linux allows you to select the second part of the content that split by ' - ' delimiter.

Syntax:- \$ cut -d- f2 filename

Output:-

```
jobin@jobin-VirtualBox:~$ cat > test.txt
malayalam-45
english-76
physics-56
chemistry-98
mathematics-87
^C
jobin@jobin-VirtualBox:~$ cat -d- -f2 test.txt
cat: invalid option -- 'd'
Try 'cat --help' for more information.
jobin@jobin-VirtualBox:~$ cut -d- -f2 test.txt
45
76
56
98
87
```

10. cut -f1

This commands in Linux allows you to select the First part of the content that split by ' - ' delimiter.