

## NETWORKING & SYSTEM ADMINISTRATION LAB

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### Experiment No : 4

#### Aim

Familiarization of Linux commands.

#### Procedure

1. **\$cat -n filename.txt:** This command is used to number each lines in a file.

##### Output:

```
student@S29:~$ cat -n text2.txt
 1  hello world
 2  welcome to coding
 3  c++
 4  java
 5
 6  python
 7  android
 8  sequel
 9
10
11  ruby
```

2. **\$cat -b filename.txt:** This command is used to remove empty lines

##### Output:

```
student@S29:~$ cat -b text2.txt
 1  hello world
 2  welcome to coding
 3  c++
 4  java

 5  python
 6  android
 7  sequel

 8  ruby
```

3. **\$touch filename.txt:** This command is used to create empty files

##### Output:

```
student@S29:~$ touch text3.txt
```

4. **\$echo //contents// >>b3.txt:** it is used to add contents to an empty file.

**Output:**

```
student@S29:~$ echo this line shows contents added to empty file >>text3.txt
```

5. **\$head filename.txt:** It is used to display 10 lines from the top

**Output:**

```
student@S29:~$ head text2.txt
hello world
welcome to coding
c++
java

python
android
sequel
```

6. **\$head -number filename.txt:** It is used to display specific number of lines from top

**Output:**

```
student@S29:~$ head -4 text2.txt
hello world
welcome to coding
c++
java
```

7. **\$tail filename.txt:** This command is used to display 10 lines from bottom

**Output:**

```
student@S29:~$ tail text2.txt
welcome to coding
c++
java

python
android
sequel

ruby
```

8. **\$tail -number filename.txt:** This command is used to display specific number of lines from bottom

**Output:**

```
student@T70:~/sample$ tail -3 b.txt
salu
how
are
```

9. **\$cut -d- -f1(/f2) filename.txt:** This command is used to display a particular column on the behalf of delimiter.

**Output:**

```
File Edit View Search Terminal Help
student@T70:~$ cat > mark1
english 67
maths 69
science 76
^Z
[1]+  Stopped                  cat > mark1
student@T70:~$ cut -d ' ' -f2 mark1
67
69
76
```

10. **\$rmdir filename.txt:** This command is used to remove a directory

**Output:**

```
File Edit View Search Terminal Help
infolinux@infolinux:~$ ls
Desktop  Downloads  Music  myfolder1  myfolder3  Public  Videos
Documents examples.desktop myfolder myfolder2  Pictures  Templates
infolinux@infolinux:~$ rmdir myfolder1
infolinux@infolinux:~$ ls
Desktop  Downloads  Music  myfolder2  Pictures  Templates
Documents examples.desktop myfolder myfolder3  Public  Videos
infolinux@infolinux:~$
```