

NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No: 3****Name: RITYMARIYA K R****Roll No:28****Batch: MCA B****Date:25/03/2021****Aim**

Familiarization of Linux commands.

Procedure

1. **\$pwd:** This command is used to print working directory starting from the root.

Output:

```
student@S28:~$ pwd
/home/student
```

2. **\$mkdir:** This command is used to make new directory.

Output:

```
student@S28:~$ mkdir ritty
```

3. **\$man:** This command is used to display the user manual of any command that we can run on the terminal.

Output:

```
student@S28:~$ man
```

4. **\$ls :** It is used to list the contents of current working directory.

Output:

```
student@S28:~$ ls
Desktop Documents Downloads examples.desktop Music Pictures Public ritty snap Templates Videos
```

5. \$ls -l: This command is used to list the contents of directory in table format with columns.

Output:

```
student@S28:~$ ls -l
total 52
drwxr-xr-x 2 student student 4096 Feb 25 12:55 Desktop
drwxr-xr-x 2 student student 4096 May 30 2018 Documents
drwxr-xr-x 2 student student 4096 May 30 2018 Downloads
-rw-r--r-- 1 student student 8980 May 30 2018 examples.desktop
drwxr-xr-x 2 student student 4096 May 30 2018 Music
drwxr-xr-x 2 student student 4096 May 30 2018 Pictures
drwxr-xr-x 2 student student 4096 May 30 2018 Public
drwxr-xr-x 2 student student 4096 Mar 24 14:29 ritty
drwx----- 3 student student 4096 Feb 25 12:59 snap
drwxr-xr-x 2 student student 4096 May 30 2018 Templates
drwxr-xr-x 2 student student 4096 May 30 2018 Videos
```

6. \$ls -al: This command is used to list files or directories in a table format with extra information with including hidden files or directories.

Output:

```
total 2400
drwxr-xr-x 55 student student 4096 Mar 24 14:29 .
drwxr-xr-x 6 root root 4096 Jan 13 14:14 ..
-rw-rw-r-- 1 student student 115 Mar 8 2019 12.py
-rw-rw-r-- 1 student student 183 Mar 8 2019 15.py
drwxr-xr-x 3 student student 4096 Feb 7 2019 ajce
drwxrwxr-x 2 student student 4096 Jan 17 2020 'Anooja s3'
drwxr-xr-x 2 student student 4096 Mar 28 2019 aravind
drwxr-xr-x 3 student student 4096 Feb 3 2020 asht
drwxr-xr-x 2 student student 4096 Mar 5 2020 ashtshel
-rw----- 1 student student 8762 Dec 6 11:43 .bash_history
-rw-r--r-- 1 student student 220 Nov 22 2018 .bash_logout
-rw-r--r-- 1 student student 3771 Nov 22 2018 .bashrc
drwx----- 28 student student 4096 Jan 7 12:47 .cache
drwxr-xr-x 2 student student 4096 Feb 13 2019 'CD LAB'
drwx----- 24 student student 4096 Feb 21 09:20 .config
drwxr-xr-x 2 student student 4096 Feb 10 2020 D1
drwxr-xr-x 2 student student 4096 Feb 10 2020 D2
drwxr-xr-x 2 student student 4096 Feb 10 2020 D3
drwxr-xr-x 7 student student 4096 Nov 26 10:06 Desktop
drwxr-xr-x 7 student student 4096 Feb 25 11:27 Documents
drwxr-xr-x 6 student student 12288 Mar 2 14:15 Downloads
drwxr-xr-x 4 student student 4096 Feb 10 2020 E1
```

7. \$ls -a: This command is used to list files or directories including hidden files or directories.

Output:

```
student@S28:~$ ls -a
.          .bash_logout .config  Downloads .ICEauthority Music      .profile snap  Videos
..         .bashrc      Desktop  examples.desktop .local    .oracle_jre_usage Public  .ssh
.bash_history .cache      Documents .gnupg    .mozilla  Pictures   ritty  Templates
```

8. \$ls -r: This command is used to display the contents of subdirectories.

Output:

```
student@S28:~$ ls -r
Videos Templates snap ritty Public Pictures Music examples.desktop Downloads Documents Desktop
```

9. \$ls -t: It is used to list files or directories and sort by last modified date in descending order(biggest to smallest).

Output:

```
student@S28:~$ ls -t
ritty snap Desktop Documents Downloads Music Pictures Public Templates Videos examples.desktop
```

10. **\$cd:** This command is used to change current working directory in linux.

Output:

```
student@S28:~$ cd ritty
```

11. **\$cd ..:** This command is used to move to parent directory of current directory.

Output:

```
student@S28:~/ritty$ cd ..
```

12. **\$cd -:** This command is used to change to previous directory.

Output:

```
student@S28:~$ cd -  
/home/student/ritty
```

13. **\$cat filename.type:** It is used to display contents on the file.

Output:

```
student@S28:~/ritty$ cat a.txt  
network and system administration lab
```

14. **\$cat >filename.type:** Its is used to create filename and contents can be added on the terminal itself.

Output:

```
student@S28:~/ritty$ cat > a.txt  
network and system administration lab
```

15. **\$cat >>filename.type**: It is used to append content to existing file.

Output:

```
student@S28:~/ritty$ cat >> a.txt  
Rittxcgfbhjh
```

16. **\$cat filename.type > filename2.type**: This command is used to copy contents of one file to another file.

Output:

```
student@S28:~/ritty$ cat a.txt > b.txt  
student@S28:~/ritty$ cat b.txt  
network and system administration lab  
Rittxcgfbhjh
```