

**NETWORKING & SYSTEM ADMINISTRATION LAB****Name: JUSTIN V KALAPPURA****Roll No:10****Batch:MCA****Date:28/03/22****Experiment No.: 3****Aim**

Familiarization of the Linux commands.

**Procedure****1. pwd**

This command is used to display the location of the current working directory.

**Syntax :-** \$ pwd

**Output :-**

```
justin@justin-VirtualBox:~$ pwd
/home/justin
```

**2. mkdir**

This command is used to create a new directory under any directory.

**Syntax :-** \$ mkdir <directory name>

**Output :-**

```
justin@justin-VirtualBox:~$ mkdir justin
```

**3. ls**

This command is used to display a list of content of directory.

**Syntax :-** \$ ls

**Output :-**

```
justin@justin-VirtualBox:~$ ls
Desktop  Downloads  Music      Public  Templates
Documents justin     Pictures   snap    Videos
```

**4. ls -l**

This command is used to shows file or directory, size, modified date and time, file or folder name and owner of the file, and its permission.

**Syntax :-** \$ ls -l

**Output:-**

```
justin@justin-VirtualBox:~$ ls -l
total 40
drwxr-xr-x 2 justin justin 4096 Apr  5 21:20 Desktop
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Documents
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Downloads
drwxrwxr-x 2 justin justin 4096 Apr  5 21:21 justin
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Music
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Pictures
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Public
drwx----- 3 justin justin 4096 Apr  5 19:20 snap
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Templates
drwxr-xr-x 2 justin justin 4096 Apr  5 19:17 Videos
```

**5. ls -a**

This command is used to list all files including hidden files.

**Syntax :-** \$ls -a

**Output :-**

```
justin@justin-VirtualBox:~$ ls -a
.          .bashrc  Desktop  .gnupg  Music    Public  Templates
..         .cache   Documents justin   Pictures snap    Videos
.bash_logout .config Downloads .local  .profile .ssh
```

**6. ls -al**

This command is used to

**Syntax :-** \$ ls -al

**Output :-**

```
justin@justin-VirtualBox:~$ ls -al
total 80
drwxr-xr-x 17 justin justin 4096 Apr  5 21:21 .
drwxr-xr-x  3 root  root  4096 Apr  5 19:14 ..
-rw-r--r--  1 justin justin  220 Apr  5 19:14 .bash_logout
-rw-r--r--  1 justin justin 3771 Apr  5 19:14 .bashrc
drwx----- 13 justin justin 4096 Apr  5 21:20 .cache
drwx----- 11 justin justin 4096 Apr  5 19:20 .config
drwxr-xr-x  2 justin justin 4096 Apr  5 21:24 Desktop
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Documents
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Downloads
drwx-----  3 justin justin 4096 Apr  5 21:17 .gnupg
drwxrwxr-x  2 justin justin 4096 Apr  5 21:21 justin
drwx-----  3 justin justin 4096 Apr  5 19:17 .local
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Music
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Pictures
-rw-r--r--  1 justin justin  807 Apr  5 19:14 .profile
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Public
drwx-----  3 justin justin 4096 Apr  5 19:20 snap
drwx-----  2 justin justin 4096 Apr  5 19:22 .ssh
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Templates
drwxr-xr-x  2 justin justin 4096 Apr  5 19:17 Videos
```

**7. ls -t**

This command is used to display files in the last modified order.

**Syntax :-** \$ ls -t

**Output :-**

```
justin@justin-VirtualBox:~$ ls -t
Desktop  snap      Downloads Pictures Templates
justin   Documents Music     Public   Videos
```

**8. cd**

This command is used to change the current directory.

**Syntax :-** \$ cd <directory name>

**Output :-**

```
justin@justin-VirtualBox:~$ cd Documents
justin@justin-VirtualBox:~/Documents$
```

**9. cd ..**

This command is used to move to the parent directory of current directory, or the directory one level up from the current directory.

**Syntax :-** \$ cd ..

**Output :-**

```
justin@justin-VirtualBox:~/Documents$ cd ..
justin@justin-VirtualBox:~$
```

**10. cd -**

This command is used to switch back to previous directory we were working earlier.

**Syntax :-** \$ cd -

**Output :-**

```
justin@justin-VirtualBox:~$ cd -
/home/justin/Documents
justin@justin-VirtualBox:~/Documents$
```

**11. cat > filename**

This command is used to create a file and add contents to that file.

**Syntax :-** \$ cat > filename.txt

**Output :-**

```
justin@justin-VirtualBox:~/Documents$ cat >just.txt
I am indian.
^Z
[1]+  Stopped                  cat > just.txt
justin@justin-VirtualBox:~/Documents$ cat just.txt
I am indian.
```

**12. cat>>filename**

This command is used to add contents to an existing file.

**Syntax :-** \$ cat >> filename.txt

**Output :-**

```
justin@justin-VirtualBox:~/Documents$ cat >>just.txt
I am proud to to be an Indian.
^Z
[2]+  Stopped                  cat >> just.txt
justin@justin-VirtualBox:~/Documents$ cat just.txt
I am indian.
I am proud to to be an Indian.
```

**13. cat filename1 > filename2**

This command is used to copy the content from one file to another file.

**Syntax :-** \$ cat filename1 > filename2

**Output :-**

```
justin@justin-VirtualBox:~/Documents$ cat just.txt>demo.txt
justin@justin-VirtualBox:~/Documents$ cat demo.txt
I am indian.
I am proud to to be an Indian.
```