

## NETWORKING & SYSTEM ADMINISTRATION LAB

Name: Neha M

Roll No:24

Batch:B

Date:24/03/2022

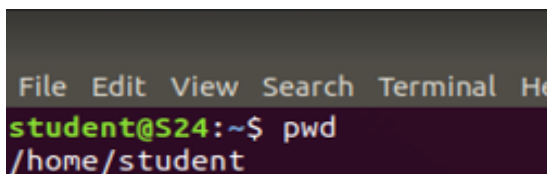
### Experiment No.: 1

#### Aim

Familiarization of linux commad.

#### Procedure

1. **pwd** : The pwd command is used to display the location of the current working directory.



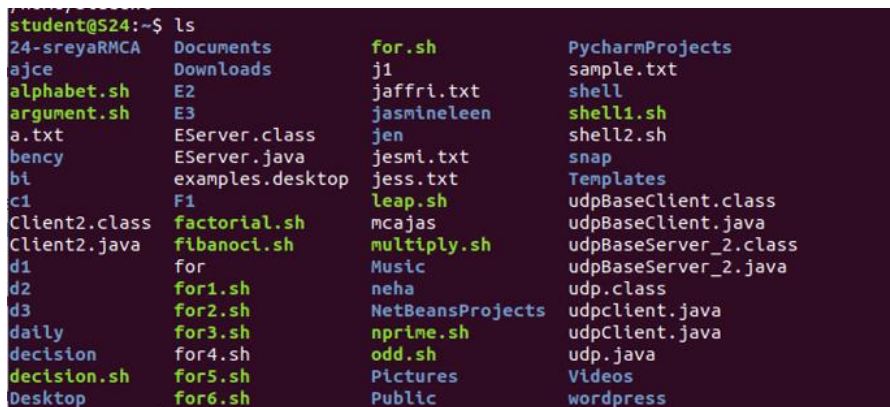
```
File Edit View Search Terminal Help
student@S24:~$ pwd
/home/student
```

2. **mkdir** : The mkdir command is used to create a new directory under any directory.



```
student@S24:~$ mkdir neha
```

3. **ls** : This command is used to display list of a content of a directory,



```
student@S24:~$ ls
24-sreyaRMCA  Documents      for.sh          PycharmProjects
ajce          Downloads     j1              sample.txt
alphabet.sh   E2            jaffri.txt     shell
argument.sh   E3            jasmineleen    shell1.sh
a.txt         EServer.class jen             shell2.sh
bency         EServer.java jesmi.txt      snap
bi            examples.desktop jess.txt       Templates
c1            F1            leap.sh        udpBaseClient.class
Client2.class factorial.sh    mcajas         udpBaseClient.java
Client2.java  fibanoci.sh   multiply.sh     udpBaseServer_2.class
d1            for           Music          udpBaseServer_2.java
d2            for1.sh       neha           udp.class
d3            for2.sh       NetBeansProjects udpclient.java
daily         for3.sh       nprime.sh      udpClient.java
decision      for4.sh       odd.sh         udp.java
decision.sh   for5.sh       Pictures       Videos
Desktop       for6.sh       Public         wordpress
```

4. **man ls** : It provides a detailed view of the commands

```
student@S24:~$ man pwd
```

5. **ls -l** : It is used to list information about files and directories within the file system.

```
student@S24:~$ ls -l
total 280
drwxr-xr-x  2 student student 4096 Nov 24 09:45 24-sreyaRMCA
drwxr-xr-x  3 student student 4096 Feb  7 2019 ajce
-rwxr-xr-x  1 student student 245 Feb 24 2020 alphabet.sh
-rwxr-xr-x  1 student student 163 Feb 27 2020 argument.sh
-rw-r--r--  1 student student  43 Jan 16 2020 a.txt
drwxr-xr-x  2 student student 4096 Mar  5 2019 bency
drwxr-xr-x  2 student student 4096 Jan 20 2020 bi
drwxr-xr-x 10 student student 4096 Feb  3 2020 c1
-rw-r--r--  1 student student 1624 Apr  3 2019 Client2.class
-rw-r--r--  1 student student  980 Apr  3 2019 Client2.java
drwxr-xr-x  2 student student 4096 Feb 10 2020 d1
drwxr-xr-x  2 student student 4096 Feb 10 2020 d2
```

6. **ls -r** : It is used for showing sub directories.

```
student@S24: ~/neha
File Edit View Search Terminal Help
student@S24:~$ ls -r
wordpress      Public          for5.sh         decision
Videos         Pictures       for4.sh         daily
udp.java       odd.sh         for3.sh         d3
udpClient.java nprime.sh     for2.sh         d2
udpclient.java NetBeansProjects for1.sh         d1
udp.class      neha          for             Client2.java
udpBaseServer_2.java Music        fibanoci.sh    Client2.class
udpBaseServer_2.class multiply.sh    factorial.sh   c1
udpBaseClient.java mcajas       F1             bi
udpBaseClient.class leap.sh      examples.desktop bency
Templates      jess.txt     EServer.java  a.txt
snap           jesmi.txt    EServer.class argument.sh
shell2.sh      jen          E3            alphabet.sh
shell1.sh      jasmineleen  E2            ajce
shell          jaffri.txt  Downloads     24-sreyaRMCA
sample.txt     j1          Desktop
q              for.sh      Documents
PycharmProjects for6.sh     decision.sh
```

7. **ls -a** : List all files including hidden files starting with ‘.’ also.

```
student@S24:~$ ls -a
.      Desktop      j1      Public
..     Documents     jaffri.txt  .PyCharmCE2018.3
24-sreyaRMCA Downloads  jasmineleen .PyCharmCE2019.2
ajce   E2            .java      PycharmProjects
alphabet.sh E3          jen        q
argument.sh EServer.class jesmi.txt  sample.txt
a.txt     EServer.java jess.txt   shell
.bash_history examples.desktop leap.sh    shell1.sh
.bash_logout F1         .leap.sh.swp shell2.sh
.bashrc   factorial.sh .lessht    snap
bency     fibanoci.sh .local     .ssh
bi        for         mcajas     Templates
c1        for1.sh     .mozilla   .thunderbird
.cache    for2.sh     Music      udpBaseClient.class
Client2.class for3.sh     neha       udpBaseClient.java
Client2.java for4.sh     .netbeans  udpBaseServer_2.class
.config   for5.sh     NetBeansProjects udpBaseServer_2.java
d1        for6.sh     udp.class
```

8. **ls -al** : It will list all files and all directories.

9. **Ls -t** : It show all list of files in last modified order.

```
student@S24:~$ ls -t
q      fibanoci.sh  for3.sh  jen      d2      jess.txt  udpBaseServer_2.class  udp.class  Music
neha   factorial.sh for.sh   shell2.sh F1      jaffri.txt  udpBaseServer_2.java  udpclient.java  Public
Downloads multiply.sh  for      shell1.sh daily    mcajas     Client2.class  Documents  Templates
PycharmProjects for6.sh    argument.sh shell      c1      jasmineleen Client2.java  wordpress  Videos
Desktop for5.sh    leap.sh  E2      j1      Pictures   EServer.class  EServer.java  bency      examples.desktop
24-sreyaRMCA for4.sh    decision E3      bi      snap       udpBaseClient.class  udpClient.java  sample.txt
odd.sh   for1.sh    alphabet.sh d1      a.txt    udpBaseClient.java  udp.java      NetBeansProjects
nprime.sh for2.sh    decision.sh d3      jesmi.txt
```

10. **cd** : This command is used to change the current working directory .

```
student@S24:~$ cd neha
```

11. **cd ..** : Refers to the directory immediately above the current directory, its parent directory.

12. **cd -** : To change to the previous directory from the current working directory.

**13.cat >filename:**To create new file.

```
student@S24:~/neha$ cat >file.txt
qeqwrqetr
^Z
[1]+  Stopped                  cat > file.txt
```

**14.cat filename:**For viewing the file.

```
student@S24:~/neha$ cat file2.txt
qeqwrqetr
```

**15.cat >>filename:**For adding additional info to that file.

```
student@S24:~/neha$ cat >>file.txt
fgdfhtyt
^Z
[2]+  Stopped                  cat >> file.txt
```

**16.cat file1>file2:**To copy the content of one file to another file.

```
student@S24:~/neha$ cat file.txt > file2.txt
student@S24:~/neha$ cat file2.txt
qeqwrqetr
fgdfhtyt
student@S24:~/neha$
```