

NETWORKING & SYSTEM ADMINISTRATION LAB**Name:** merin joseph**Roll No:**20**Batch:**RMCA(B)**Date:**26/03/2021**Experiment No.: 1****Aim**

Familiarization of Linux commands.

Procedure

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ pwd
/home/nehass
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ mkdir merin
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls
Desktop  Documents  Downloads  dump.sql  merin  Music  NehaAntony  odoo  Pictures  Public  snap  sources-20.03  Templates  Videos  wkhtmltox_0.12.5-1.bionic_amd64.deb
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ man
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls -l
total 93948
drwxr-xr-x  2 neha neha      4096 Mar 28 13:47 Desktop
drwxr-xr-x  3 neha neha      4096 Oct 25 04:53 Documents
drwxr-xr-x  3 neha neha     12288 Nov 10 07:31 Downloads
-rw-rw-r--  1 neha neha    80427114 Sep 28  2021 dump.sql
drwxrwxr-x  2 neha neha      4096 Apr  3 06:04 merin
drwxr-xr-x  3 neha neha      4096 Oct 11 00:59 Music
drwxrwxr-x  2 neha neha      4096 Mar 28 14:02 NehaAntony
drwxr-xr-x 17 neha neha      4096 Nov  8 23:44 odoo
drwxr-xr-x  2 neha neha      4096 Mar 28 14:06 Pictures
drwxr-xr-x  2 neha neha      4096 Sep 13  2021 Public
drwx----- 5 neha neha      4096 Oct 21 01:26 snap
drwxr-xr-x  5 neha neha      4096 Feb 20  2020 sources-20.03
drwxr-xr-x  2 neha neha      4096 Sep 13  2021 Templates
drwxr-xr-x  2 neha neha      4096 Sep 13  2021 Videos
-rw-r--r--  1 root root    15708806 Jun 12  2018 wkhtmltox_0.12.5-1.bionic_amd64.deb
```

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:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls -al
total 94020
drwxr-xr-x 25 neha neha      4096 Apr  3 06:04 .
drwxr-xr-x  3 root root      4096 Sep 13  2021 ..
-rw-r--r--  1 neha neha      4370 Mar 28 14:07 .bash_history
-rw-r--r--  1 neha neha       220 Sep 13  2021 .bash_logout
-rw-r--r--  1 neha neha     3771 Sep 13  2021 .bashrc
drwxr-xr-x 39 neha neha      4096 Nov 12 10:58 .cache
drwx----- 20 neha neha      4096 Sep 27  2021 .config
drwxr-xr-x  2 neha neha      4096 Mar 28 13:47 Desktop
drwxr-xr-x  3 neha neha      4096 Oct 25 04:53 Documents
drwxr-xr-x  3 neha neha     12288 Nov 10 07:31 Downloads
-rw-rw-r--  1 neha neha 80427114 Sep 28  2021 dump.sql
drwx-----  3 neha neha      4096 Sep 24  2021 .gnupg
drwxrwxr-x  4 neha neha      4096 Sep 13  2021 .java
drwxr-xr-x  3 neha neha      4096 Sep 13  2021 .local
drwxrwxr-x  2 neha neha      4096 Apr  3 06:04 merin
drwx-----  5 neha neha      4096 Sep 13  2021 .mozilla
drwxr-xr-x  3 neha neha      4096 Oct 11 00:59 Music
drwxrwxr-x  2 neha neha      4096 Mar 28 14:02 NehaAntony
drwxr-xr-x 17 neha neha      4096 Nov  8 23:44 odoo
drwx-----  4 neha neha      4096 Nov 10 12:00 .pgadmin
drwxr-xr-x  2 neha neha      4096 Mar 28 14:06 Pictures
drwx-----  3 neha neha      4096 Sep 13  2021 .pki
-rw-r--r--  1 neha neha       807 Sep 13  2021 .profile
-rw-r--r--  1 neha neha       12 Nov 10 11:56 .psql_history
drwxr-xr-x  2 neha neha      4096 Sep 13  2021 Public
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls -a
.          .bash_logout  .config  Downloads  .java      .mozilla  odoo       .pki        Public      .ssh          .sudo_as_admin_successful  .thunderbird
..         .bashrc      Desktop  dump.sql   .local     Music     .pgadmin   .profile    snap        sources-20.03  Templates  Videos
.bash_history  .cache      Documents  .gnupg    merin      NehaAntony Pictures    .psql_history  sources-20.03  Templates  wkhtmltox_0.12.5-1.bionic_amd64.deb
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls -r
merin Pictures NehaAntony Desktop Downloads odoo Documents snap Music dump.sql Public Templates Videos sources-20.03 wkhtmltox_0.12.5-1.bionic_amd64.deb
```

9. **\$ls -t:** It is used to display files in the last modified order.

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ ls -t
merin Pictures NehaAntony Desktop Downloads odoo Documents snap Music dump.sql Public Templates Videos sources-20.03 wkhtmltox_0.12.5-1.bionic_amd64.deb
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ cd merin
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cd ..
neha@neha-Lenovo-IdeaPad-S145-15API:~$ cd
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cd ..
neha@neha-Lenovo-IdeaPad-S145-15API:~$ cd -
~/merin
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~$ cd -  
/home/neha/merin
```

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

Output:

```
/home/neha/merin  
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cat a.txt  
cat: a.txt: No such file or directory
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cat >a.txt  
hello world  
good morning  
^Z  
[1]+  Stopped                  cat > a.txt
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cat >>a.txt  
welcome to ooty  
nice to mee u  
^Z  
[2]+  Stopped                  cat >> a.txt
```

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

Output:

```
neha@neha-Lenovo-IdeaPad-S145-15API:~/merin$ cat a.txt  
hello world  
good morning  
welcome to ooty  
nice to mee u
```