NETWORKING & SYSTEM ADMINISTRATION LAB

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Familiarization of Linux Commands – Part 03

Procedure

1. **cp [filename 1] [filename 2]:** This command is used to copy the contents of the mentioned source file to the mentioned destination file.

```
oem@oem-TECRA-C50-E:~$ ls
Desktop     mohan      Public          Templates
Documents   Music      PycharmProjects Videos
Downloads   Pictures   snap            vishnumohan
oem@oem-TECRA-C50-E:~$ cat > file1.txt
amal
abin
ajith
jibu
akhil
^Z
[1]+  Stopped                 cat > file1.txt
oem@oem-TECRA-C50-E:~$ cp file1.txt newfile1.txt
oem@oem-TECRA-C50-E:~$ ls
Desktop     file1.txt   newfile1.txt  PycharmProjects  Videos
Documents   mohan       Pictures      snap             vishnumohan
Downloads   Music       Public        Templates
oem@oem-TECRA-C50-E:~$ cat newfile1.txt
amal
abin
ajith
jibu
akhil
```

a) **cp [filename 1] [filename 2]:** Here, if the file 2 already exists the old data of the file is overwritten by the data of the source file.

```
oem@oem-TECRA-C50-E:~$ cat > demo1.txt
science
maths
physics
gk
^Z
[2]+  Stopped                 cat > demo1.txt
oem@oem-TECRA-C50-E:~$ cat demo1.txt
science
maths
physics
gk
oem@oem-TECRA-C50-E:~$ cp demo1.txt newfile1.txt
oem@oem-TECRA-C50-E:~$ cat newfile1.txt
science
maths
physics
gk
oem@oem-TECRA-C50-E:~$ ▮
```

2. **cp - i [filename 1] [filename 2]:** This command is used when you copy contents of a file to an existing file. This command shows a confirmation message whether you want to overwrite the existing data with the new data before any changes.

```
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Documents  file1.txt  Music      Pictures  PycharmProjects  Templates  vishnumohan
Desktop    Downloads  mohan      newfile1.txt Public   snap             Videos
oem@oem-TECRA-C50-E:~$ cp -i file1.txt newfile1.txt
cp: overwrite 'newfile1.txt'? y
oem@oem-TECRA-C50-E:~$ cat newfile1.txt
amal
abin
ajith
jibu
akhil
oem@oem-TECRA-C50-E:~$
```

3. **cp -r [foldername 1] [foldername 2]:** This command is used to copy all files from the source along with the folder into the destination folder recursively.

```
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Documents  file1.txt  Music      Pictures  PycharmProjects  Templates  vishnumohan
Desktop    Downloads  mohan      newfile1.txt Public   snap             Videos
oem@oem-TECRA-C50-E:~$ cp -r vishnumohan mohan
oem@oem-TECRA-C50-E:~$ cd mohan
oem@oem-TECRA-C50-E:~/mohan$ ls
vishnumohan
oem@oem-TECRA-C50-E:~/mohan$
```

4. **mv [filename] [foldername]:** This command is used to move a source file to the desired mentioned destination folder.

```
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Documents  file1.txt  Music      Pictures  PycharmProjects  Templates  vishnumohan
Desktop    Downloads  mohan      newfile1.txt Public   snap             Videos
oem@oem-TECRA-C50-E:~$ mv newfile1.txt mohan
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Desktop  Documents  Downloads  file1.txt  mohan  Music  Pictures  Public  PycharmProjects  snap  Templates  Videos  vishnumohan
oem@oem-TECRA-C50-E:~$ cd
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Desktop  Documents  Downloads  file1.txt  mohan  Music  Pictures  Public  PycharmProjects  snap  Templates  Videos  vishnumohan
oem@oem-TECRA-C50-E:~$ cd mohan
oem@oem-TECRA-C50-E:~/mohan$ ls
newfile1.txt  vishnumohan
oem@oem-TECRA-C50-E:~/mohan$
```

5. **mv -i [filename] [foldername] :** This command is used to move a already existing source file to the destination. Before moving the file, the confirmation is asked whether the data of the already existing file to be replacing with the new data of the file.

```
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Desktop  Documents  Downloads  file1.txt  mohan  Music  Pictures  Public  PycharmProjects  snap  Templates  Videos  vishnumohan
oem@oem-TECRA-C50-E:~$ cat > newfile1.txt
virat-100
dhoni-55
raina-44
rohit-223
^Z
[3]+  Stopped                 cat > newfile1.txt
oem@oem-TECRA-C50-E:~$ ls
demo1.txt  Documents  file1.txt  Music          Pictures  PycharmProjects  Templates  vishnumohan
Desktop    Downloads  mohan      newfile1.txt  Public    snap             Videos
oem@oem-TECRA-C50-E:~$ mv -i newfile1.txt mohan
mv: overwrite 'mohan/newfile1.txt'? y
oem@oem-TECRA-C50-E:~$ cd mohan
oem@oem-TECRA-C50-E:~/mohan$ ls
newfile1.txt  vishnumohan
oem@oem-TECRA-C50-E:~/mohan$ cat newfile1.txt
virat-100
dhoni-55
raina-44
rohit-223
oem@oem-TECRA-C50-E:~/mohan$
```