NETWORKING & SYSTEM ADMINISTRATION LAB

Experiment No.: 5

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Batch: **B**

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Aim

Familiarization of Linux Commands

Procedure

1. **cp [filename 01] [filename 02]:** This command is use to copy the contents of the mentioned source file to the mentioned destination file.

    ```
    student@T70:~/mathew$ ls
    a.txt  b3.txt  demo1  mark1  marvel1  marvel2  marvel3  m.txt  newfile  nn.txt
    student@T70:~/mathew$ cp marvel1 marvel4
    student@T70:~/mathew$ cat marvel4
    ```

    a) **cp [filename 01] [filename 02]:** Here, if the file 02 already exists the old data of the file is overwritten by the data of the source file.

    ```
    student@T70:~/mathew$ ls
    a.txt  b3.txt  demo1  mark1  marvel1  marvel2  marvel3  m.txt  newfile  nn.txt
    student@T70:~/mathew$ cp marvel1 marvel4
    student@T70:~/mathew$ cat marvel4
    captian america
    iron man
    hulk
    groot
    spider man
    black widow
    ```

2. **cp -i [filename 01] [filename 02]:** 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.

    ```
    student@T70:~$ cp -i doc1 mathew1
    cp: overwrite 'mathew1/doc1'? y
    student@T70:~$ cd mathew1
    student@T70:~/mathew1$ cat doc1
    kali linux
    ```

3. **cp -r [foldername 01] [foldername 02]:** This command is used to copy all files from the source along with the folder into the destination folder recursively.

```
student@T70:~$ cp -r mathew mathew1
student@T70:~$ cd mathew1
student@T70:~/mathew1$ ls
mathew
```

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

```
student@T70:~/mathew$ mv marvel1 mathew1
student@T70:~/mathew$ ls
a.txt  b3.txt  demo1  doc1  mark1  marvel2  marvel3  marvel4  mathew1  m.txt  newfile  nn.txt
student@T70:~/mathew$ cd ..
student@T70:~$ ls
```

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.

```
student@T70:~$ mv -i snap mathew
mv: overwrite 'mathew/snap'? y
student@T70:~$ ls
 area.py        b.txt      doc1        hlo.ads                   manya     Music      prgm2.o   prgm6.o         sample        Videos
 arithmetic.py  c.txt      Documents   insertionsort             mathew    newjava    prgm3.c   project.c       sample1
 Aron           d1         Downloads   '<invalid path>.layout'   mathew1   n.txt      prgm4.c   Public          sample.cpp
 athul_jose     d2         E2          j.txt                     math.py   Pictures   prgm4.o   PycharmProjects sample.o
 a.txt          Desktop    file1.txt   leapyear.py               m.txt     prgm2      prgm6     q22.py          Templates
student@T70:~$ cd mathew
student@T70:~/mathew$ ls
a.txt  b3.txt  d2  demo1  doc1  mark1  marvel2  marvel3  marvel4  mathew1  m.txt  newfile  nn.txt  sample1  snap
student@T70:~/mathew$
```