NETWORKING & SYSTEM ADMINISTRATION LAB

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Batch: B
Date: 04/04/2022

Experiment No.: 3

Aim

Familiarization of the linux commands.

Procedure

36. cp

This command is used to copy the contents from an existing file to a new file.

Syntax :- $ cp existing_filename new_filename

Output :-

37. cp -r

This command is used to copy a directory along with its subdirectories.

Syntax :- $ cp -r source_directory destination_directory

Output :-

```
student@S46:~$ mkdir swethap
student@S46:~$ cd stardust
student@S46:~/stardust$ ls
a.txt  b.txt  y.txt  z1.txt  z.txt
student@S46:~/stardust$ cd ..
student@S46:~$ cp -r stardust swethap
student@S46:~$ cd swethap
student@S46:~/swethap$ ls
stardust
student@S46:~/swethap$ cd stardust
student@S46:~/swethap/stardust$ ls
a.txt  b.txt  y.txt  z1.txt  z.txt
```

38. cp overwriting

This method is used to overwrite the contents of an existing file from one directory to an existing file with the same name in another directory with the cp command.

Syntax :- $ cp filename directoryname

Output :-

```
student@S46:~$ cat > new.txt
Writing some commands
^Z
[1]+  Stopped                 cat > new.txt
student@S46:~$ cd stardust
student@S46:~/stardust$ cat > new.txt
Content is copied
^Z
[2]+  Stopped                 cat > new.txt
student@S46:~/stardust$ cd ..
student@S46:~$ cp new.txt stardust
student@S46:~$ cat new.txt
Writing some commands
```

39. cp -i

This command is used to ask the confirmation message once before overwriting the file. We give 'y' or 'n' as the response.

Syntax :- $ cp -i filename destination_directory

Output :-

```
student@S46:~$ cp -i new.txt stardust
cp: overwrite 'stardust/new.txt'? n
```

40. mv

This command is used to move an existing file or directory from one location to another.

Syntax :- $ mv filename directory_name

Output:-

```
student@S46:~$ cd stardust
student@S46:~/stardust$ ls
a.txt  b.txt  new.txt  y.txt  z1.txt  z.txt
student@S46:~/stardust$ cd ..
student@S46:~$ ls
46.Navya  b       Desktop    examples.desktop  mark.txt  Pictures  PycharmProjects  snap      star2.txt  starnew.txt  swetha     text.txt
a         b.txt   Documents  h.txt             Music     popo      Sapphire         space.txt star3.txt  star.txt     swethap    Travel
a.pdf     c.txt   Downloads  leapyear.py       new.txt   Public    Sapphire.txt     star1.txt stardust   s.txt        Templates  Videos
student@S46:~$ mv space.txt stardust
student@S46:~$ ls
46.Navya  b       Desktop    examples.desktop  mark.txt  Pictures  PycharmProjects  snap      star3.txt  star.txt     swethap    Travel
a         b.txt   Documents  h.txt             Music     popo      Sapphire         star1.txt stardust   s.txt        Templates  Videos
a.pdf     c.txt   Downloads  leapyear.py       new.txt   Public    Sapphire.txt     star2.txt starnew.txt  swetha     text.txt
student@S46:~$ cd stardust
student@S46:~/stardust$ ls
a.txt  b.txt  new.txt  space.txt  y.txt  z1.txt  z.txt
```

41. mv overwriting

This method is used to overwrite the contents of an existing file from one directory to an existing file with the same name in another directory with the mv command.

Syntax :- $ mv filename directory_name

Output :-

```
student@S46:~$ cd stardust
student@S46:~/stardust$ cat z1.txt
Hello World
student@S46:~/stardust$ cd ..
student@S46:~$ cat z1.txt
welcome
good morning
student@S46:~$ mv z1.txt stardust
student@S46:~$ cd stardust
student@S46:~/stardust$ cat z1.txt
welcome
good morning
```