

NETWORKING & SYSTEM ADMINISTRATION LAB**Experiment No.: 6****Aim**

Familiarization of basic Linux commands.

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Procedure**1. cp**

This commands in Linux allows you to copy a file or an entire directory to another Directory specified.

Syntax:- \$ cp file_to_be_copied directory_name

Output:-

```
student@S10:~$ cat>j.txt
Heal the world.
^Z
[1]+  Stopped                  cat > j.txt
student@S10:~$ cp j.txt u.txt
student@S10:~$ cat u.txt
Heal the world.
```

2. cp -r

This command in Linux allow us to copy an entire directory into another directory

Syntax:- \$ cp -r source_directory destination_directory

Output:-

```
student@S10:~$ cd love
student@S10:~/love$ ls
j.txt  s.txt  u.txt
student@S10:~/love$ cd ..
student@S10:~$ cp -r love peace
student@S10:~$ cd peace
student@S10:~/peace$ ls
j.txt  s.txt  u.txt
```

3. cp -i

This command helps to make a decision regarding overwrite that may happen in case of copying a same named file (but different in content) from the source folder to the destination folder.

Syntax:- \$ cp -i filename destination_folder

Output:-

```
student@S10:~$ cp -i j.txt peace
cp: overwrite 'peace/j.txt'? n
student@S10:~$ cp -i j.txt peace
cp: overwrite 'peace/j.txt'? y
```

4. mv

This command will move a specific file or directory to another directory

Syntax:- \$ mv file_name/directory_name destination_directory

Output:-

```
student@S10:~$ cat >t.txt
There are people dieing.
^Z
[5]+  Stopped                  cat > t.txt
student@S10:~$ mv t.txt love
student@S10:~$ ls love
j.txt  s.txt  t.txt  u.txt
```

5. mv -i

This command enables a dialog to take a wise decision about overwrite in case of moving A file with the same name as that of one already exist in the destination directory.

Syntax:- \$ mv -i filename destination_path

Output:-

```
student@S10:~$ mv -i u.txt love
mv: overwrite 'love/u.txt'? n
student@S10:~$ mv -i u.txt love
mv: overwrite 'love/u.txt'? y
student@S10:~$ ls love
j.txt  s.txt  t.txt  u.txt
```