NETWORKING & SYSTEM ADMINISTRATION LAB

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Aim

Familiarization of basic Linux commands part 3

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:-

```
melbin@melbin-VirtualBox:~/melbin$ cat demo1.txt
do
it
skil
evry
melbin@melbin-VirtualBox:~/melbin$ cat demo2.txt
where
can
we
succes
melbin@melbin-VirtualBox:~/melbin$ cp demo1.txt demo2.txt
melbin@melbin-VirtualBox:~/melbin$ cat demo2.txt
do
it
skil
evry
melbin@melbin-VirtualBox:~/melbin$
```

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:-

```
melbin@melbin-VirtualBox:~$ cp -r kali melbin
melbin@melbin-VirtualBox:~$ cd melbin
melbin@melbin-VirtualBox:~/melbin$ ls
b1.txt     demo1.txt  demo3.txt  happ.txt    happy.txt  kali.txt  test1.txt
copy.txt   demo2.txt  demo.txt   happy1.txt  kali       more.txt  test.txt
melbin@melbin-VirtualBox:~/melbin$
```

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:-

```
melbin@melbin-VirtualBox:~$ cat > demo1.txt
hai kali
^C
melbin@melbin-VirtualBox:~$ cp -i demo1.txt melbin
cp: overwrite 'melbin/demo1.txt'? y
melbin@melbin-VirtualBox:~$ cd melbin
melbin@melbin-VirtualBox:~/melbin$ cat demo1.txt
hai kali
melbin@melbin-VirtualBox:~/melbin$
```

4. mv

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

Syntax:- $ mv file_name/directory_name destination_directory

Output:-

```
melbin@melbin-VirtualBox:~$ ls
demo1.txt  Documents  kali     melbin    new        Public     Videos
Desktop    Downloads  kali.1  Music     Pictures   Templates
melbin@melbin-VirtualBox:~$ mv kali.1 kali
melbin@melbin-VirtualBox:~$ cd kali
melbin@melbin-VirtualBox:~/kali$ ls
kali.1  new.txt
melbin@melbin-VirtualBox:~/kali$
```

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:-

```
melbin@melbin-VirtualBox:~$ mv -i new melbin
mv: overwrite 'melbin/new'? y
melbin@melbin-VirtualBox:~$ cd melbin
melbin@melbin-VirtualBox:~/melbin$ ls
b1.txt      demo2.txt  happ.txt     kali       more.txt    test.txt
copy.txt    demo3.txt  happy1.txt  kali.1     new
demo1.txt  demo.txt   happy.txt    kali.txt  test1.txt
melbin@melbin-VirtualBox:~/melbin$
```