



## Linux Basic Commands Assignment

### **Assignment Part-3**

Playing with files

#### **1. Create a file like nano file1.txt**

- Edit some data and then save the file

```
sandesh@localhost:~/Desktop/Dir1
File Edit View Search Terminal Help
[sandesh@localhost ~]$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
[sandesh@localhost ~]$ cd Desktop
[sandesh@localhost Desktop]$ mkdir Dir1
[sandesh@localhost Desktop]$ ls
Dir1
[sandesh@localhost Desktop]$ cd Dir1
[sandesh@localhost Dir1]$ nano file1.txt
[sandesh@localhost Dir1]$ cat file1.txt
Welcome to iNeuron
[sandesh@localhost Dir1]$
```

#### **2. Now we will copy data from file1 to new file2**

- o **cp file1.txt file2.txt**
- o Then see the output of file2.txt, **cat file2.txt**
- o Give screenshot

```
[sandesh@localhost Dir1]$ cp file1.txt file2.txt
[sandesh@localhost Dir1]$ ls
file1.txt file2.txt
[sandesh@localhost Dir1]$ cat file2.txt
Welcome to iNeuron
[sandesh@localhost Dir1]$
```

#### **3. Now we will move the file2.txt to new folder /home**

- o **mv file2.txt /home**
- o Then go to **home** directory and check **ls**, file exists or not?
- o Given screenshot

```
[sandesh@localhost Dir1]$ mv file2.txt /home
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
[sandesh@localhost Dir1]$ ls
file1.txt  file2.txt
[sandesh@localhost Dir1]$ cd ..
[sandesh@localhost Desktop]$ cd ..
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$
```

*No, file does not exist. In fact, the file could not be moved due to permission issue.*

4. Then we create a new **file3.txt** and **file4.txt** in **home directory** and add content in it.

- o Now do **echo "Hello I am newline" > file3.txt** and provide the output of file3.txt

```
[sandesh@localhost ~]$ nano file3.txt
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$ touch file3.txt
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  file3.txt  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$ touch file4.txt
[sandesh@localhost ~]$ ls
Desktop  Downloads  file4.txt  Pictures  Templates
Documents  file3.txt  Music      Public    Videos
[sandesh@localhost ~]$ echo "Hello I am in new file" > file3.txt
[sandesh@localhost ~]$ ls
Desktop  Downloads  file4.txt  Pictures  Templates
Documents  file3.txt  Music      Public    Videos
[sandesh@localhost ~]$ cat file3.txt
Hello I am in new file
[sandesh@localhost ~]$
```

- o Now do **echo "Hello I am newline" >> file4.txt** and provide the output of file4.txt

```
[sandesh@localhost ~]$ echo "Hello I am new file" >> file4.txt
[sandesh@localhost ~]$ ls
Desktop  Downloads  file4.txt  Pictures  Templates
Documents  file3.txt  Music      Public    Videos
[sandesh@localhost ~]$ cat file4.txt
Hello I am new file
[sandesh@localhost ~]$
```

- o Tell the different between both step you follow and the reason behind it

*Both the symbols > and >> are used to write some content into the file using echo command in terminal itself rather than opening the file editor such as vim or vi or nano.*

5. For remove a file or directory you can use the below two commands

- o To delete a file – **rm <any\_filename>**

```
[sandesh@localhost ~]$ ls
Desktop  Downloads  file4.txt  Pictures  Templates
Documents file3.txt  Music     Public    Videos
[sandesh@localhost ~]$ rm file3.txt
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  file4.txt  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$ rm file4.txt
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$
```

*file3.txt and file4.txt are removed from home directory.*

- o To delete a directory - **rmdir <any\_directoryname>**

```
[sandesh@localhost ~]$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  Templates  Videos
[sandesh@localhost ~]$ cd Desktop
[sandesh@localhost Desktop]$ ls
Dir1
[sandesh@localhost Desktop]$ rm Dir1
rm: cannot remove 'Dir1': Is a directory
[sandesh@localhost Desktop]$ rmdir Dir1
rmdir: failed to remove 'Dir1': Directory not empty
[sandesh@localhost Desktop]$ cd Dir1
[sandesh@localhost Dir1]$ ls
file1.txt  file2.txt
[sandesh@localhost Dir1]$ rm file1.txt file2.txt
[sandesh@localhost Dir1]$ ls
[sandesh@localhost Dir1]$ rmdir Dir1
rmdir: failed to remove 'Dir1': No such file or directory
[sandesh@localhost Dir1]$ cd ..
[sandesh@localhost Desktop]$ rmdir Dir1
[sandesh@localhost Desktop]$ ls
[sandesh@localhost Desktop]$
```

*Dir1 is removed or deleted from Desktop directory.*