

## Linux Assignment Part-3

Playing with files

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

- Edit some data and then save the file

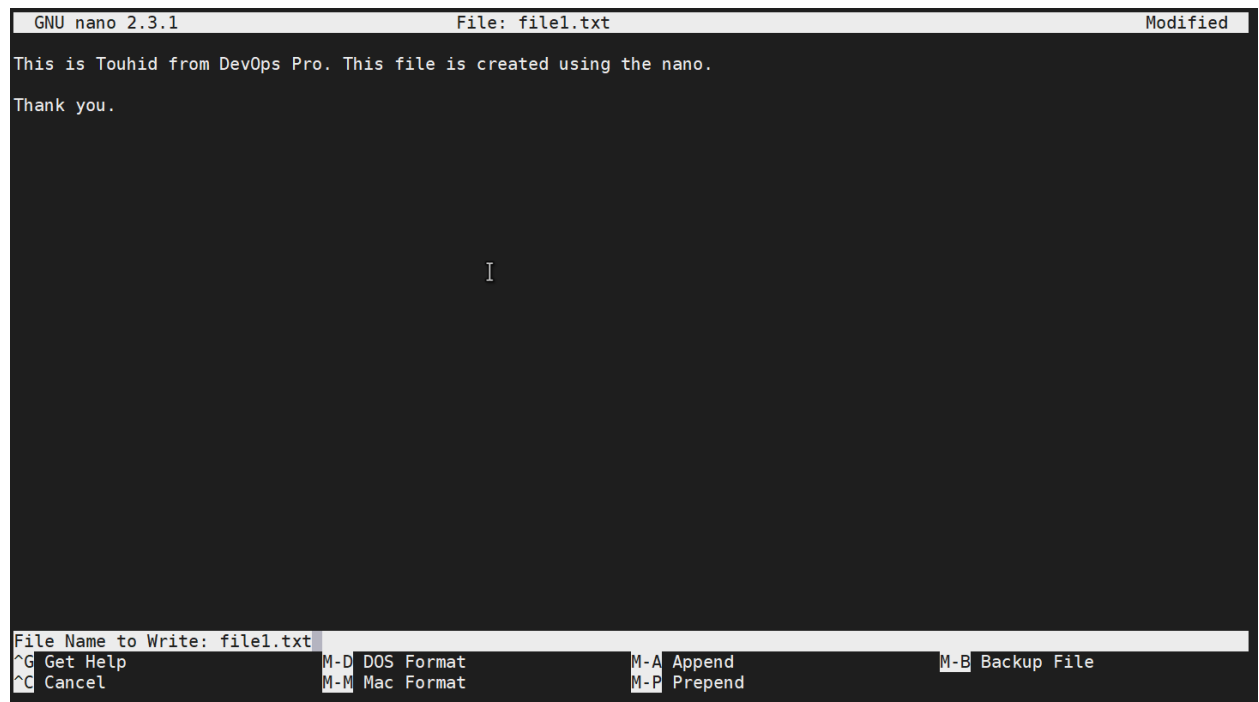
### Answer:

Create or Edit file using nano

# **nano file1.txt**

```
[osboxes@osboxes ~]$ nano file1.txt
```

After editing/adding data on the file need to press **Ctrl+X** button to get the Save prompt then need to press **Y** button to save the file then press **Enter**.



```
GNU nano 2.3.1 File: file1.txt Modified
This is Touhid from DevOps Pro. This file is created using the nano.
Thank you.
I
File Name to Write: file1.txt
^G Get Help      M-D DOS Format   M-A Append      M-B Backup File
^C Cancel        M-M Mac Format   M-P Prepend
```

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

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

**Answer:** copy file and the output of the file screenshot is given below:

```
[osboxes@osboxes ~]$ cp file1.txt file2.txt
[osboxes@osboxes ~]$ cat file2.txt
This is Touhid from DevOps Pro. This file is created using the nano.

Thank you.
[osboxes@osboxes ~]$
```

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

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

**Answer:** Since the user do not have permission to write on the **/home** directory, so we can not cut the file to **/home** directory. But **sudo** can be used to write on the **/home** directory. Generally, the **/home** directory is used for the home directory for the new users. Below is the screenshot:

```
[osboxes@osboxes ~]$ mv file2.txt /home
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
[osboxes@osboxes ~]$ cd /home/
[osboxes@osboxes home]$ ls
osboxes
[osboxes@osboxes home]$
```

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

- Now do **echo "Hello I am newline" > file3.txt** and provide the output of file3.txt
- Now do **echo "Hello I am newline" >> file4.txt** and provide the output of file4.txt
- Tell the different between both step you follow and the reason behind it

**Answer:** We can print any content using the echo command. Using the redirect sign (>) send the content to a file. If the file is not exist then it will create the file. Below is the screenshot:

```
[osboxes@osboxes ~]$ echo "Hello I am newline" > file3.txt
[osboxes@osboxes ~]$ echo "Hello I am newline" >> file4.txt
[osboxes@osboxes ~]$ ls
Desktop  Documents  Downloads  file1.txt  file2.txt  file3.txt  file4.txt
[osboxes@osboxes ~]$ cat file3.txt
"Hello I am newline"
[osboxes@osboxes ~]$ cat file4.txt
"Hello I am newline"
[osboxes@osboxes ~]$
```

Using the > sign we are replacing the whole content of that file and using the >> sign we are appending the new content at the end of the file. In the below screen shot it can see the difference.

```
[osboxes@osboxes ~]$ echo "Hello I am another newline" > file3.txt
[osboxes@osboxes ~]$ echo "Hello I am another newline" >> file4.txt
[osboxes@osboxes ~]$ cat file3.txt
"Hello I am another newline"
[osboxes@osboxes ~]$ cat file4.txt
"Hello I am newline"
"Hello I am another newline"
[osboxes@osboxes ~]$
```

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

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

**Answer:** We can delete file using **rm** command and delete directory using the **rmdir** command. Also we can delete multiple files or directories by adding their name in argument. Below is the screenshot:

```
[osboxes@osboxes ~]$ ls
Desktop  Downloads  file2.txt  file4.txt  Pictures  Templates  Videos
Documents  file1.txt  file3.txt  Music      Public    testdirectory
[osboxes@osboxes ~]$ rm file3.txt
[osboxes@osboxes ~]$ ls
Desktop  Downloads  file2.txt  Music      Public    testdirectory
Documents  file1.txt  file4.txt  Pictures  Templates  Videos
[osboxes@osboxes ~]$ rmdir testdirectory/
[osboxes@osboxes ~]$ ls
Desktop  Documents  Downloads  file1.txt  file2.txt  file4.txt  Music  Pictures  Public  Templates  Videos
[osboxes@osboxes ~]$
```

**Prepared By**

**Name:** Md. Touhidul Islam

**Email:** [touhidulislam1810@gmail.com](mailto:touhidulislam1810@gmail.com)