Devops

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Topic: Linux Basic Commands Assignment
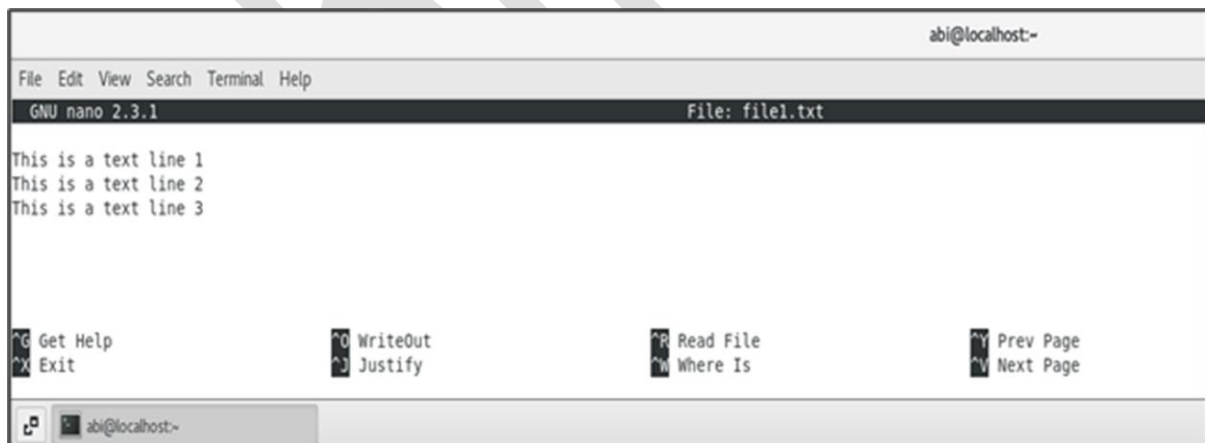
Assignment Part-3

Playing with files

1. Create a file like nano file1.txt

o Edit some data and then save the file

command : nano file1.txt

2. Now we will copy date 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

```
                              abi@localhost:~

File   Edit   View   Search   Terminal   Help
[abi@localhost ~]$ nano file1.txt
[abi@localhost ~]$ cp file1.txt file2.txt
[abi@localhost ~]$ cat file2.txt
This is a text line 1
This is a text line 2
This is a text line 3

[abi@localhost ~]$
```

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 exits or not?

o Given screenshot

```
                                abi@localhost:~

 File  Edit  View  Search  Terminal  Help
[abi@localhost ~]$ nano file1.txt
[abi@localhost ~]$ cp file1.txt file2.txt
[abi@localhost ~]$ cat file2.txt
This is a text line 1
This is a text line 2
This is a text line 3

[abi@localhost ~]$ mv file2.txt /home
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
[abi@localhost ~]$
```

```
                            abi@localhost:/home                    _  □  ×

 File  Edit  View  Search  Terminal  Help
drwxr-xr-x. 3 abi abi   20 Oct 13 23:16 Desktop
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Documents
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Downloads
-rw-rw-r--. 1 abi abi   67 Oct 18 11:47 file1.txt
-rwxrwxrwx. 1 abi abi   67 Oct 18 11:48 file2.txt
-rw-rw-r--. 1 abi abi   43 Oct 21 16:45 file4.txt
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Music
-rw-rw-r--. 1 abi abi  789 Oct 10 22:31 my_commands.txt
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Pictures
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Public
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Templates
drwxr-xr-x. 2 abi abi    6 Oct 10 19:31 Videos
[abi@localhost ~]$ mv file2.txt /home
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
[abi@localhost ~]$ sudo mv file2.txt /home
[sudo] password for abi:
[abi@localhost ~]$ cd /home
[abi@localhost home]$ ls -l
total 12
drwx------. 15 abi    abi     4096 Oct 21 17:23 abi
-rwxrwxrwx.  1 abi    abi       67 Oct 18 11:48 file2.txt
-rwxrwxrwx.  1 root   root      43 Oct 18 12:17 file4.txt
drwx------.  3 karthu karthu    78 Oct 10 22:21 karthu
[abi@localhost home]$
```

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

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

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

Reason: When using the ">" replaces the old content with new text whereas ">>" appends the new text with the existing content.

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

○ To delete a file – **rm <any_filename>**

```
[abi@localhost ~]$ nano file3.txt
[abi@localhost ~]$ nano file4.txt
[abi@localhost ~]$ echo "Hello I am newline">file3.txt
[abi@localhost ~]$ cat file3.txt
Hello I am newline
[abi@localhost ~]$ echo "Hello I am newline">>file4.txt
[abi@localhost ~]$ cat file4.txt
Hello i am inside file4
Hello I am newline
[abi@localhost ~]$ ls
Desktop    Downloads  file2.txt  file4.txt  my_commands.txt  Public
Documents  file1.txt  file3.txt  Music      Pictures         Templates
[abi@localhost ~]$ rm file3.txt
[abi@localhost ~]$ ls
Desktop    Downloads  file2.txt  Music                  Pictures  Templates
Documents  file1.txt  file4.txt  my_commands.txt  Public  Videos
[abi@localhost ~]$
```

○ To delete a directory **– rmdir<any_directoryname>**

```
[abi@localhost ~]$ mkdir varun
[abi@localhost ~]$ ls
Desktop    Downloads  file2.txt  Music             Pictures  Templates
Documents  file1.txt  file4.txt  my_commands.txt  Public    varun
[abi@localhost ~]$ rmdir varun
[abi@localhost ~]$ ls
Desktop    Downloads  file2.txt  Music             Pictures  Templates
Documents  file1.txt  file4.txt  my_commands.txt  Public    Videos
```