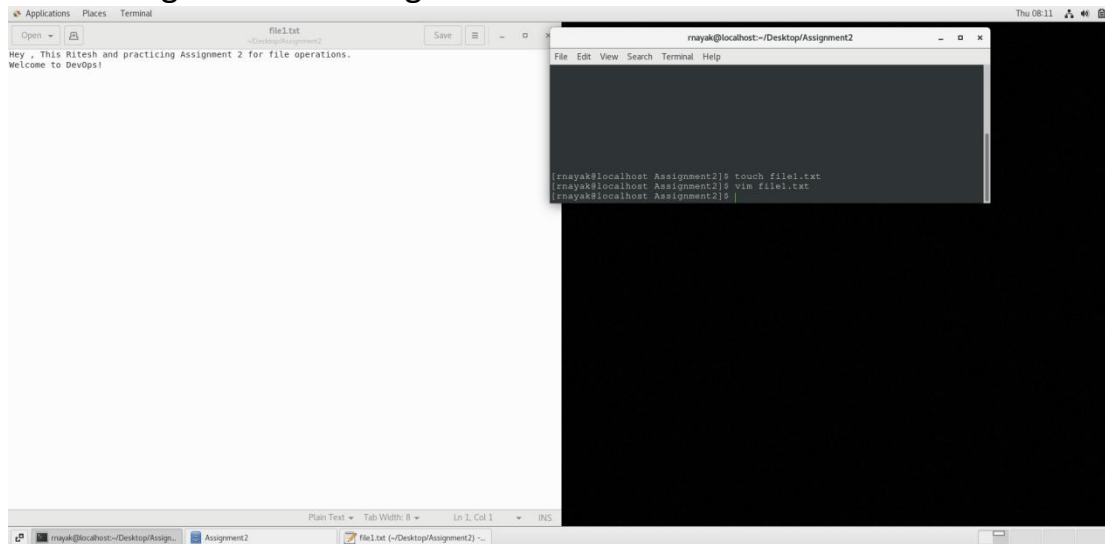


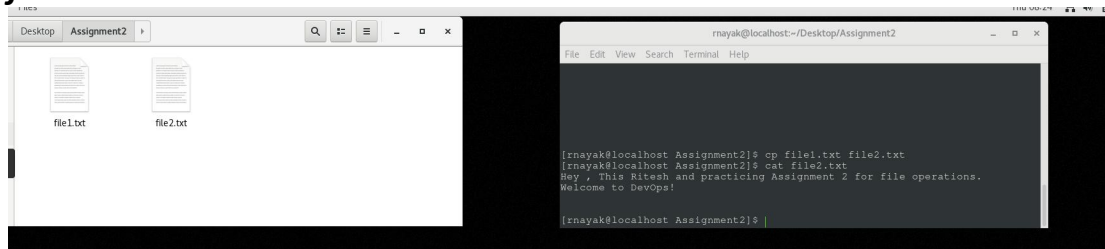
## **Playing with Files**

1. Creating a file with ***touch fileName.txt*** and then editing the file with ***vim fileName*** . Then to save the file used the command ***press ecs + :wq*** After doing that the editing mode will be exited and file will be saved.

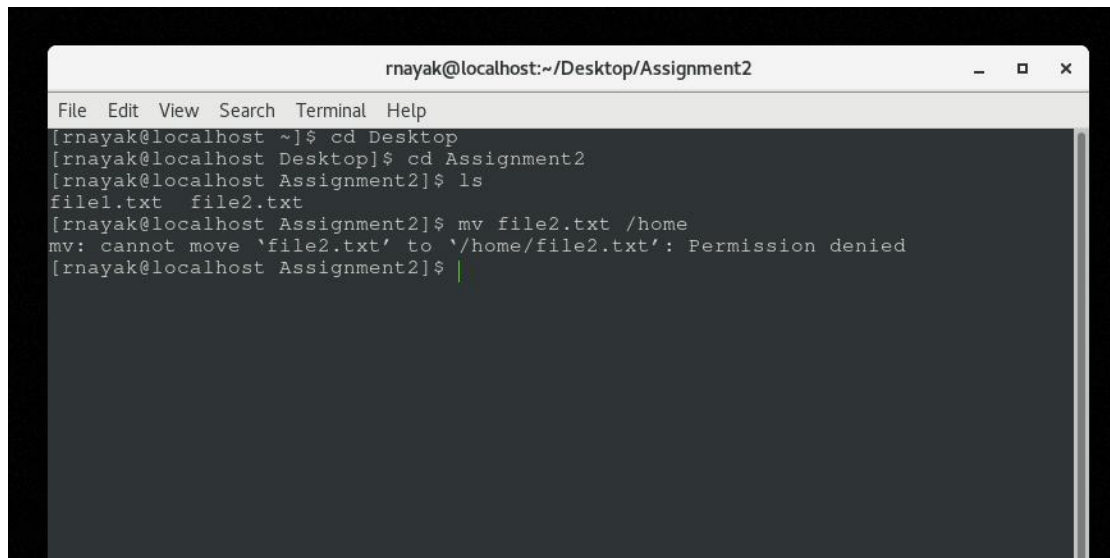


2. Now we copied file1.txt to another file ***file2.txt*** using ***cp file1.txt file2.txt*** .

Then to see the changes in file2.txt in the terminal itself used ***cat file2.txt*** .



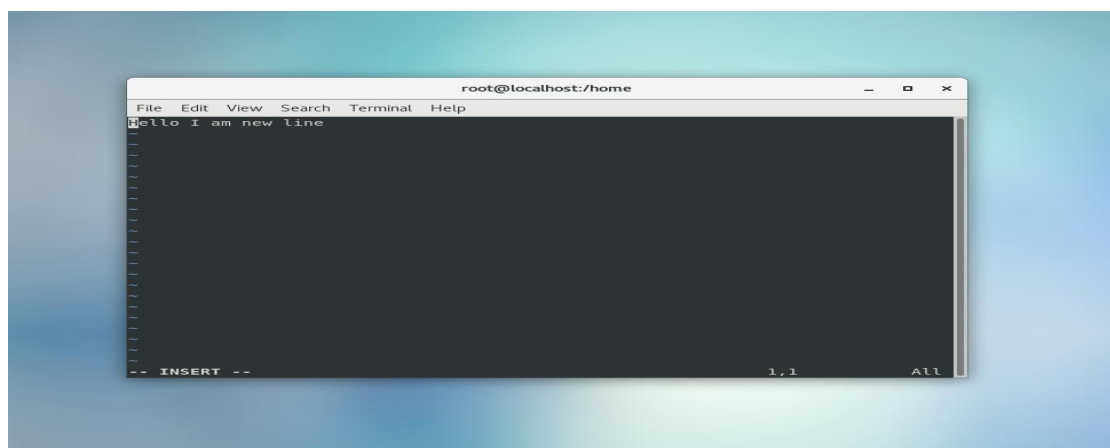
3. While trying to move the file to /home using ***mv file2.txt /home*** it threw an error saying Permission denied as below:



```
rnayak@localhost:~/Desktop/Assignment2
File Edit View Search Terminal Help
[rnayak@localhost ~]$ cd Desktop
[rnayak@localhost Desktop]$ cd Assignment2
[rnayak@localhost Assignment2]$ ls
file1.txt  file2.txt
[rnayak@localhost Assignment2]$ mv file2.txt /home
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
[rnayak@localhost Assignment2]$
```

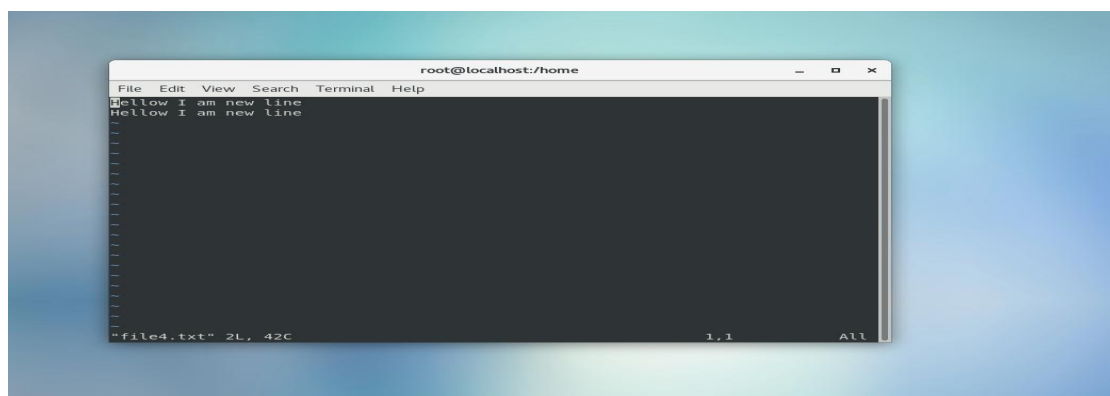
#### 4. Echo "I am a new line"> file3.txt

The above command wrote the line in file3.txt as below:



```
root@localhost:/home
File Edit View Search Terminal Help
Hello I am new line
-- INSERT --
1,1 All
```

#### 5. echo "I am a new line">> file3.txt

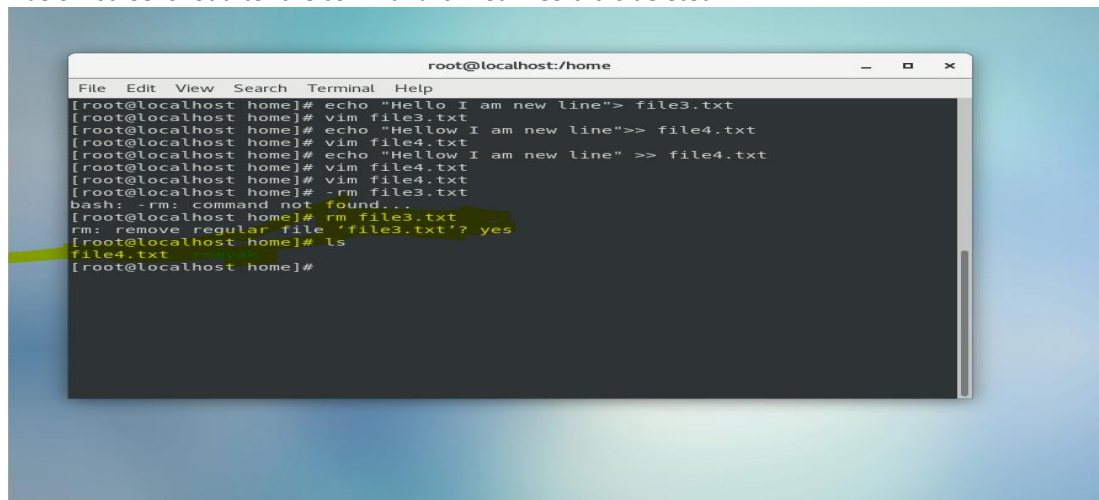


```
root@localhost:/home
File Edit View Search Terminal Help
Hello I am new line
Hello I am new line
"file4.txt" 2L, 42C
1,1 All
```

">" is an output redirection operator used for overwriting files that already exists in directory. Whereas ">>" appends the data of an existing file.

6. **rm fileName** is used to delete a file:

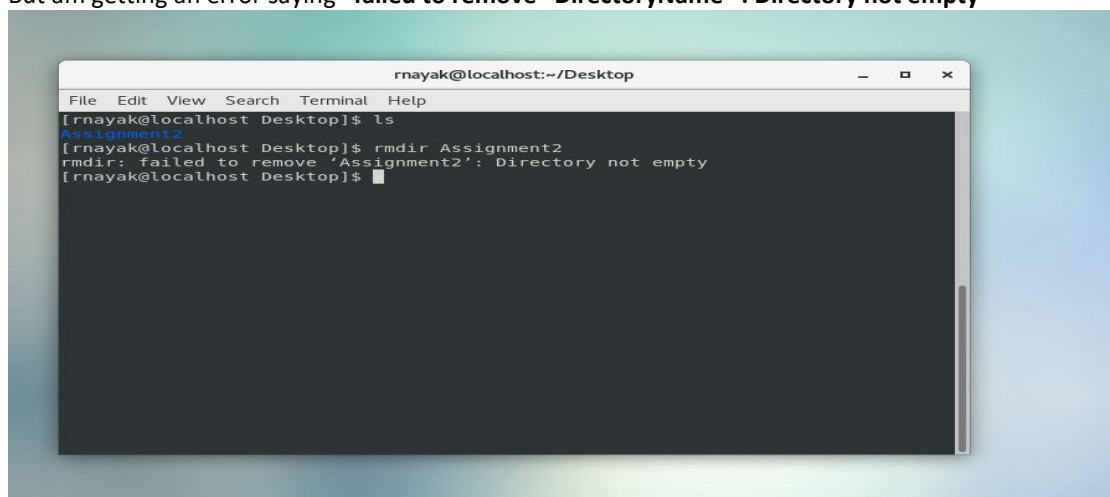
In below screenshot after the command is fired **file3.txt** is deleted .

A terminal window titled 'root@localhost:~/home' showing a series of commands. The user creates 'file3.txt' with 'echo', edits it with 'vim', creates 'file4.txt' with 'echo', edits it with 'vim', and then attempts to delete 'file3.txt' with 'rm file3.txt'. An error message 'bash: -rm: command not found...' appears. The user then runs 'rm file3.txt' which prompts 'rm: remove regular file 'file3.txt'? yes'. Finally, 'ls' is run, showing 'file4.txt' as the only file in the directory.

```
root@localhost:~/home
File Edit View Search Terminal Help
[root@localhost home]# echo "Hello I am new line"> file3.txt
[root@localhost home]# vim file3.txt
[root@localhost home]# echo "Hellow I am new line">> file4.txt
[root@localhost home]# vim file4.txt
[root@localhost home]# echo "Hellow I am new line" >> file4.txt
[root@localhost home]# vim file4.txt
[root@localhost home]# vim file4.txt
[root@localhost home]# -rm file3.txt
bash: -rm: command not found...
[root@localhost home]# rm file3.txt
rm: remove regular file 'file3.txt'? yes
[root@localhost home]# ls
file4.txt
[root@localhost home]#
```

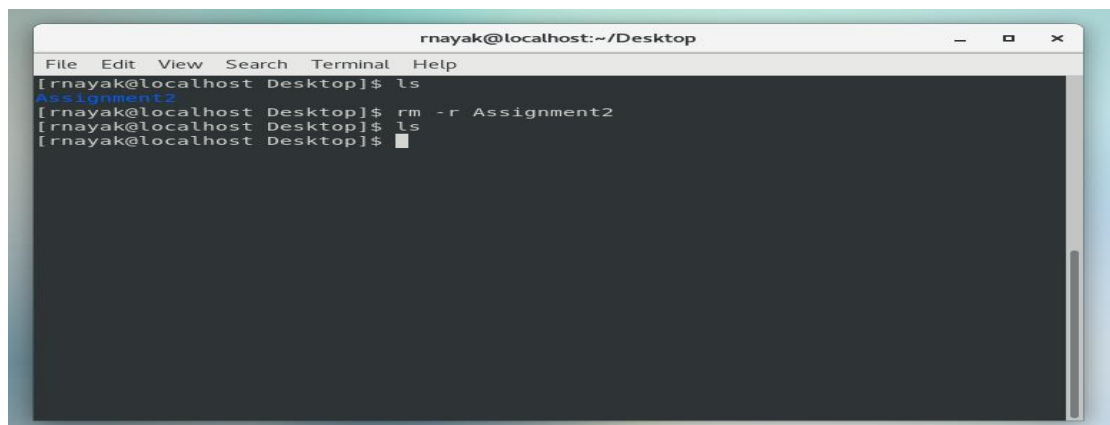
7. **rmdir <fileName>** is used to remove Directory when it's empty, it can not delete if any single file is present inside the folder:

But am getting an error saying **"failed to remove "DirectoryName" : Directory not empty"**

A terminal window titled 'rnayak@localhost:~/Desktop' showing the user listing the contents of the Desktop directory, which includes 'Assignment2'. Then, the user runs 'rmdir Assignment2', which fails with the error message 'rmdir: failed to remove 'Assignment2': Directory not empty'.

```
rnayak@localhost:~/Desktop
File Edit View Search Terminal Help
[rnayak@localhost Desktop]$ ls
Assignment2
[rnayak@localhost Desktop]$ rmdir Assignment2
rmdir: failed to remove 'Assignment2': Directory not empty
[rnayak@localhost Desktop]$
```

**rm -r <DirectoryName>** is used to delete a directory even if it's **empty**

A terminal window titled 'rnayak@localhost:~/Desktop' showing the user listing the contents of the Desktop directory, which includes 'Assignment2'. Then, the user runs 'rm -r Assignment2', which successfully removes the directory. Finally, 'ls' is run, showing an empty directory.

```
rnayak@localhost:~/Desktop
File Edit View Search Terminal Help
[rnayak@localhost Desktop]$ ls
Assignment2
[rnayak@localhost Desktop]$ rm -r Assignment2
[rnayak@localhost Desktop]$ ls
[rnayak@localhost Desktop]$
```