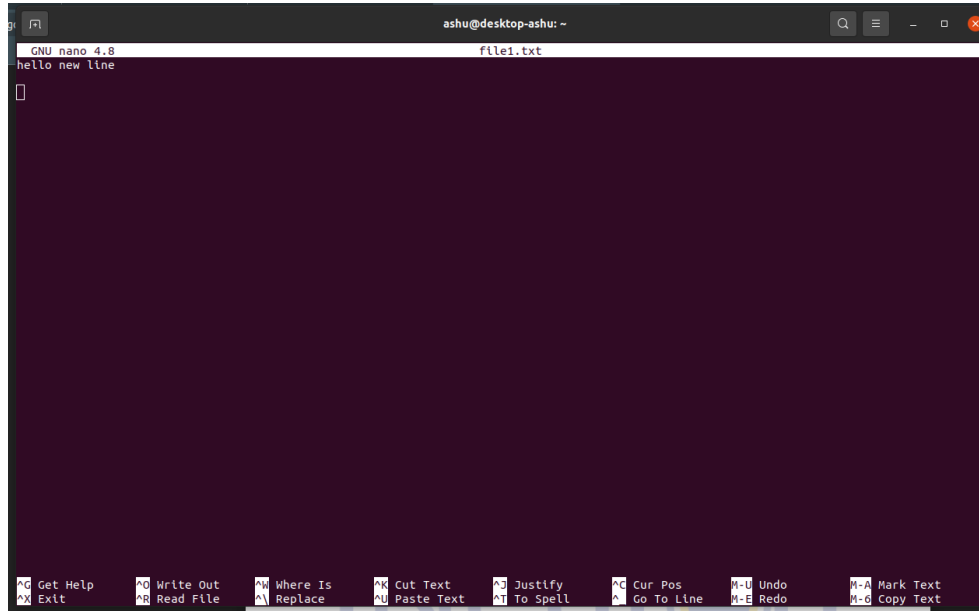


Assignment Part-3

Playing with files

1. Create a file like nano file1.txt
- o Edit some data and then save the file

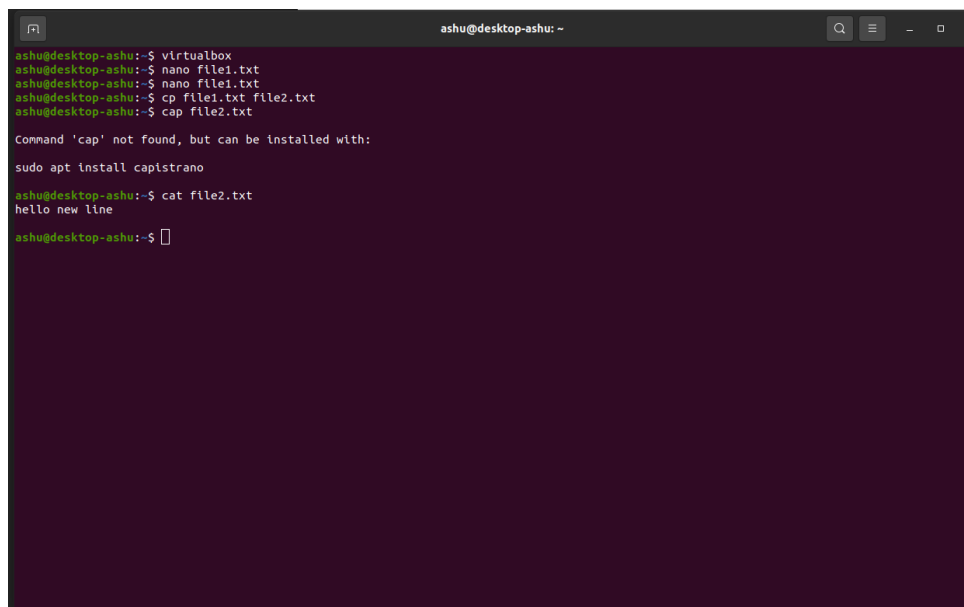
As I was using ubuntu as my primary machine I have done this assignment section in ubuntu terminal



The screenshot shows a terminal window titled 'ashu@desktop-ashu: ~'. Inside, the nano 4.8 text editor is open, editing 'file1.txt'. The editor's content is 'hello new line' followed by a cursor on a new line. The bottom status bar displays various keyboard shortcuts for nano, such as 'Get Help', 'Write Out', 'Where Is', 'Cut Text', 'Justify', 'Cur Pos', 'Undo', 'Mark Text', 'Exit', 'Read File', 'Replace', 'Paste Text', 'To Spell', 'Go To Line', 'Redo', and 'Copy Text'.

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

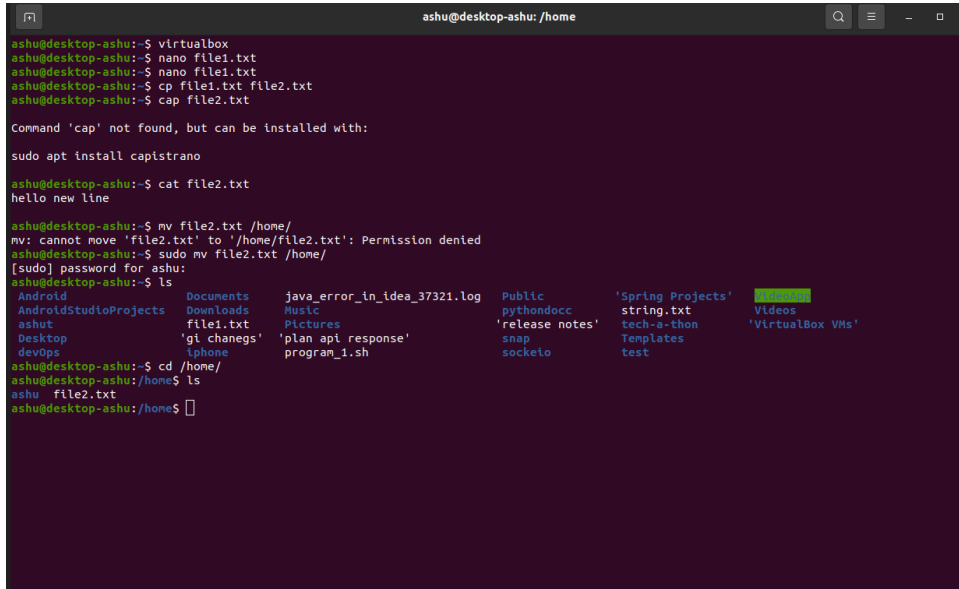
- o cp file1.txt file2.txt
- o Then see the output of file2.txt, cat file2.txt
- o Give screenshot



The screenshot shows a terminal window titled 'ashu@desktop-ashu: ~'. The user has executed the following commands: 'virtualbox', 'nano file1.txt', 'nano file1.txt', 'cp file1.txt file2.txt', and 'cat file2.txt'. The output of 'cat file2.txt' is 'hello new line'. The prompt is now 'ashu@desktop-ashu:~\$'.

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

Yes file exists in home directory as we moved the file in home directory with root user I used sudo for that.



```
ashu@desktop-ashu: /home
ashu@desktop-ashu:~$ virtualbox
ashu@desktop-ashu:~$ nano file1.txt
ashu@desktop-ashu:~$ nano file1.txt
ashu@desktop-ashu:~$ cp file1.txt file2.txt
ashu@desktop-ashu:~$ cap file2.txt

Command 'cap' not found, but can be installed with:
sudo apt install capistrano

ashu@desktop-ashu:~$ cat file2.txt
hello new line

ashu@desktop-ashu:~$ mv file2.txt /home/
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
ashu@desktop-ashu:~$ sudo mv file2.txt /home/
[sudo] password for ashu:
ashu@desktop-ashu:~$ ls
Android          Desktop          java_error_in_idea_37321.log  Public          'Spring Projects'  'VirtualBox VMs'
AndroidStudioProjects  Downloads        Music                        python3docx     string.txt          Videos
ashut             file1.txt        Pictures                     'release notes'  tech-a-thon         'VirtualBox VMs'
Desktop           'git changes'    'plan apt response'         snap            Templates
devOps            iPhone           program_1.sh                 socketio         test

ashu@desktop-ashu:~$ cd /home/
ashu@desktop-ashu:~$ ls
ashu file2.txt
ashu@desktop-ashu:~$
```

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

```
root@desktop-ashu: /home
ashu@desktop-ashu:~$ virtualbox
ashu@desktop-ashu:~$ nano file1.txt
ashu@desktop-ashu:~$ nano file1.txt
ashu@desktop-ashu:~$ cp file1.txt file2.txt
ashu@desktop-ashu:~$ cap file2.txt
Command 'cap' not found, but can be installed with:
sudo apt install capistrano
ashu@desktop-ashu:~$ cat file2.txt
hello new line
ashu@desktop-ashu:~$ mv file2.txt /home/
mv: cannot move 'file2.txt' to '/home/file2.txt': Permission denied
ashu@desktop-ashu:~$ sudo mv file2.txt /home/
[sudo] password for ashu:
ashu@desktop-ashu:~$ ls
Android          Downloads        java_error_in_idea_37321.log  Public          'Spring Projects'
AndroidStudioProjects  Music           Pictures                     pythondocc      string.txt
ashut            file1.txt       'plan api response'         'release notes' tech-a-thon
Desktop          'gi chanegs'   program_1.sh                snap            Templates
devOps           iphone         socketio                     test
ashu@desktop-ashu:~$ cd /home/
ashu@desktop-ashu:/home$ ls
ashu  file2.txt
ashu@desktop-ashu:/home$ nano file3.txt
ashu@desktop-ashu:/home$ sudo nano file3.txt
ashu@desktop-ashu:/home$ sudo nano file4.txt
ashu@desktop-ashu:/home$ echo "Hello I am newline" > file3.txt
bash: file3.txt: Permission denied
ashu@desktop-ashu:/home$ sudo echo "Hello I am newline" > file3.txt
bash: file3.txt: Permission denied
ashu@desktop-ashu:/home$ sudo echo "Hello I am newline" > file3.txt
bash: file3.txt: Permission denied
ashu@desktop-ashu:/home$ sudo su
root@desktop-ashu:/home# echo "Hello I am newline" > file3.txt
root@desktop-ashu:/home#
```

```
root@desktop-ashu: /home
root@desktop-ashu:/home# cat file3.txt
Hello I am newline
root@desktop-ashu:/home#
```

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

```
root@desktop-ashu: /home
root@desktop-ashu:/home# cat file3.txt
Hello I am newline
root@desktop-ashu:/home# echo "hello I am newline" >> file4.txt
root@desktop-ashu:/home# cat file4.txt
hello file 4
hello I am newline
root@desktop-ashu:/home#
```

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

With > we can override the content in file while with >> date is written on new line