



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

Answer : Added the line *“This is a test file on assignment 3”* in *file1.txt* and saved the file using *ctrl+O* and exited using *ctrl+X*

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

A screenshot of a Linux terminal window. The window title is "vikas@localhost:~/Desktop/ineuron". The terminal shows the following commands and output:

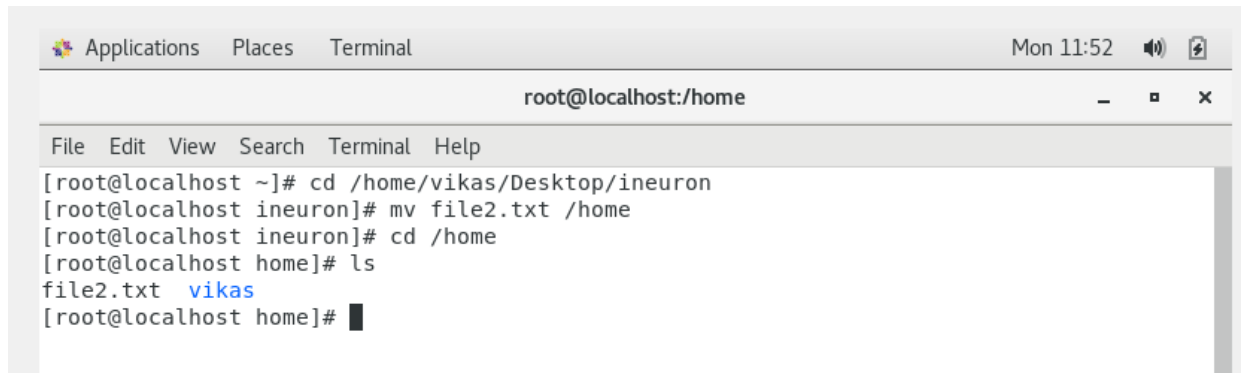
```
[vikas@localhost ~]$ cd Desktop/ineuron
[vikas@localhost ineuron]$ nano file1.txt
[vikas@localhost ineuron]$ cp file.txt file2.txt
cp: cannot stat 'file.txt': No such file or directory
[vikas@localhost ineuron]$ cp file1.txt file2.txt
[vikas@localhost ineuron]$ cat file2.txt
This is a test file on assignment 3.
[vikas@localhost ineuron]$
```

Answer : The line added in *file1.txt* is copied and displayed in *file2.txt*

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



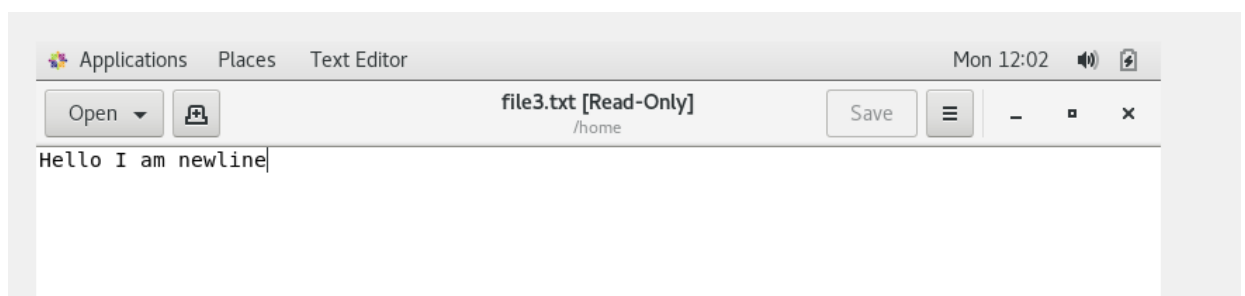
A terminal window titled 'root@localhost:/home' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the following commands and output:

```
[root@localhost ~]# cd /home/vikas/Desktop/ineuron
[root@localhost ineuron]# mv file2.txt /home
[root@localhost ineuron]# cd /home
[root@localhost home]# ls
file2.txt  vikas
[root@localhost home]#
```

Answer : *The file2.txt is now moved to home directory*

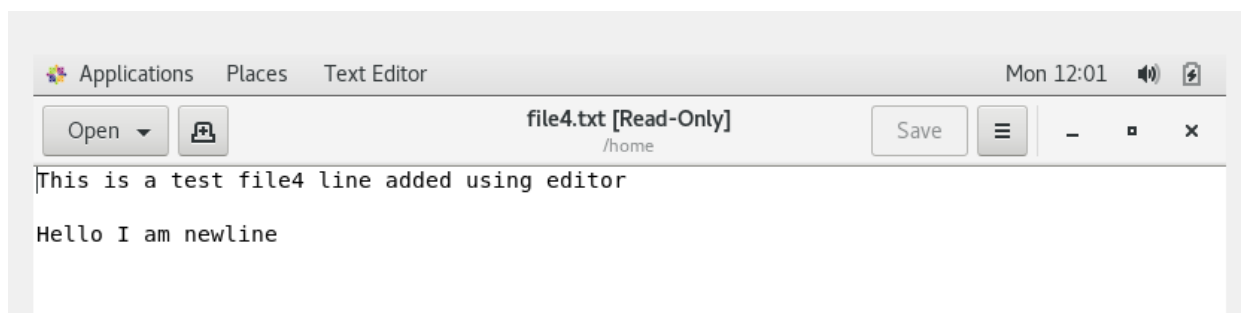
4. Then we create a new **file3.txt** and **file4.txt** in **home directory** and add content in it.
 - o Now do **echo "Hello I am newline" > file3.txt** and provide the output of file3.txt

Answer :

A text editor window titled 'file3.txt [Read-Only]' with a menu bar (Applications, Places, Text Editor). The window shows the content 'Hello I am newline'.

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

Answer :

A text editor window titled 'file4.txt [Read-Only]' with a menu bar (Applications, Places, Text Editor). The window shows the content 'This is a test file4 line added using editor' followed by 'Hello I am newline' on a new line.

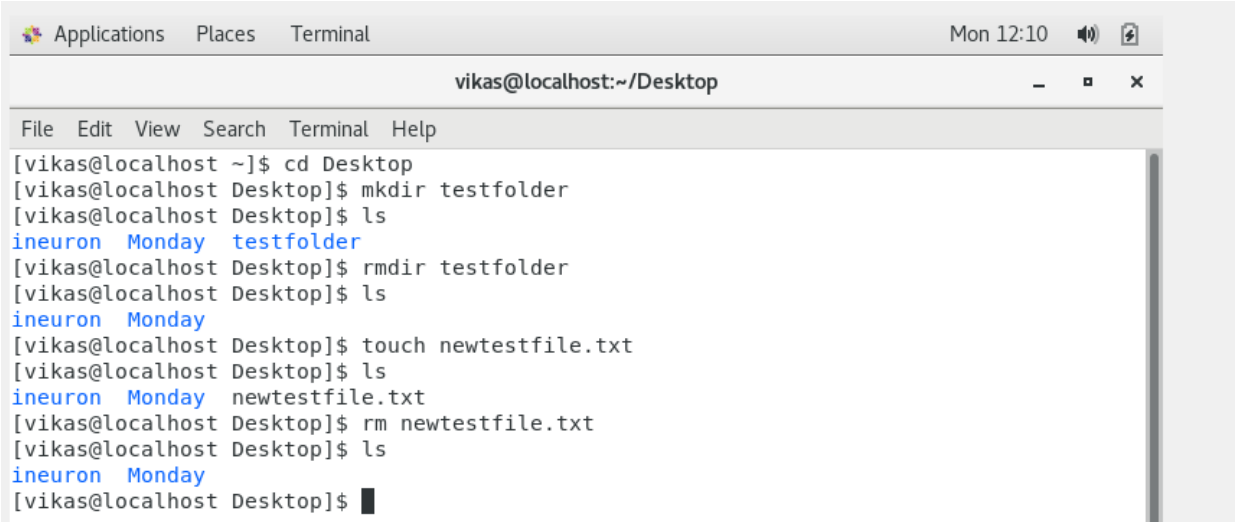
- o Tell the different between both step you follow and the reason behind it

Answer :

- ❖ In the file3.txt , the contents which were entered while the file being created are now replaced and displays only the line "Hello I am newline" given in echo.
- ❖ In file4.txt , it displays the contents which were entered earlier "This is a test file4 line added using editor" along with the echo line "Hello I am newline".
- ❖ The symbol > replaces the whole content whereas >> appends the content.

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>`

A screenshot of a Linux terminal window. The window title bar shows 'Applications', 'Places', and 'Terminal' on the left, and 'Mon 12:10' with system icons on the right. The terminal title is 'vikas@localhost:~/Desktop'. The menu bar includes 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal content shows a series of commands: 'cd Desktop', 'mkdir testfolder', 'ls' (showing 'ineuron', 'Monday', 'testfolder'), 'rmdir testfolder', 'ls' (showing 'ineuron', 'Monday'), 'touch newtestfile.txt', 'ls' (showing 'ineuron', 'Monday', 'newtestfile.txt'), 'rm newtestfile.txt', 'ls' (showing 'ineuron', 'Monday'), and finally a prompt '[vikas@localhost Desktop]\$' with a cursor.

```
[vikas@localhost ~]$ cd Desktop
[vikas@localhost Desktop]$ mkdir testfolder
[vikas@localhost Desktop]$ ls
ineuron  Monday  testfolder
[vikas@localhost Desktop]$ rmdir testfolder
[vikas@localhost Desktop]$ ls
ineuron  Monday
[vikas@localhost Desktop]$ touch newtestfile.txt
[vikas@localhost Desktop]$ ls
ineuron  Monday  newtestfile.txt
[vikas@localhost Desktop]$ rm newtestfile.txt
[vikas@localhost Desktop]$ ls
ineuron  Monday
[vikas@localhost Desktop]$ █
```

Answer :

The files are being created and deleted. The ls confirms that the folder and file have been deleted.

