



Linux Basic Commands Assignment

Assignment Part-3

Playing with files

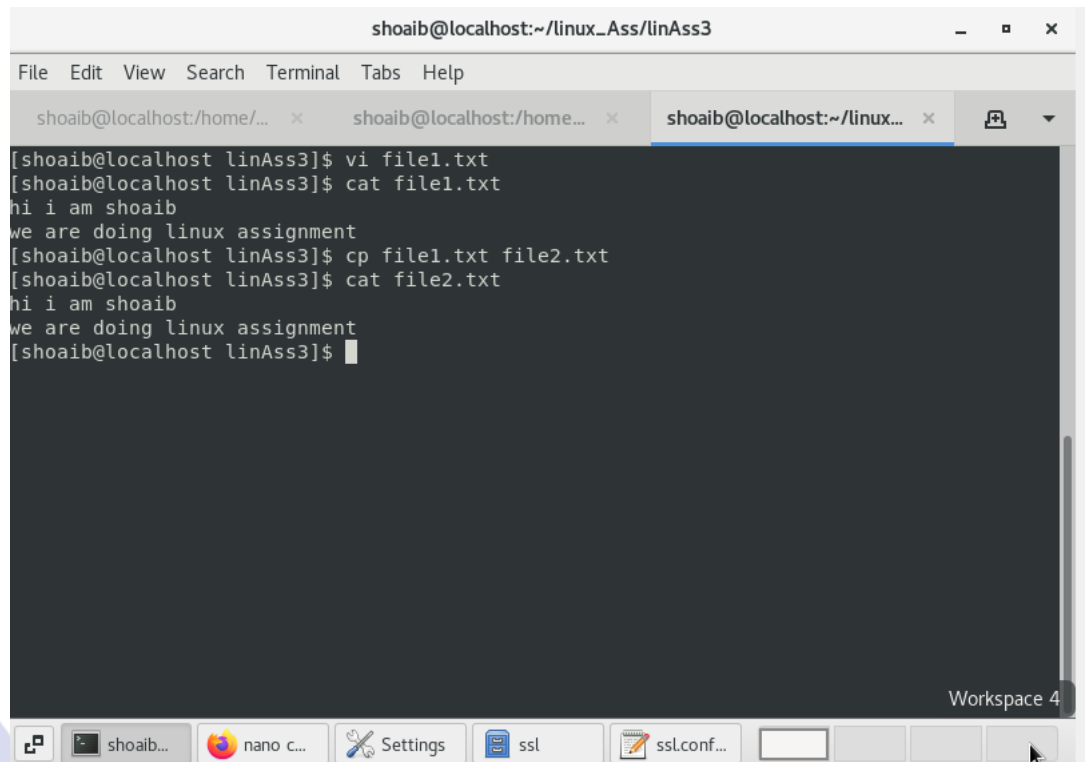
1. Create a file like **nano file1.txt**
 - a. Edit some data and then save the file

A screenshot of a Linux terminal window. The terminal shows the following commands and output:

```
[shoaib@localhost linAss3]$ vi file1.txt
[shoaib@localhost linAss3]$ cat file1.txt
hi i am shoaib
we are doing linux assignment
[shoaib@localhost linAss3]$
```

The terminal window has a dark background. The top of the window shows three tabs: "shoaib@localhost:/home/...", "shoaib@localhost:/home/...", and "shoaib@localhost:~/linux...". The bottom of the window shows a taskbar with several icons: a terminal icon, a file manager icon, a nano editor icon, a settings icon, a file icon, and a terminal icon. The text "Workspace" is visible in the bottom right corner of the terminal window.

2. Now we will copy data from file1 to new file2
 - a. **cp file1.txt file2.txt**
 - b. Then see the output of file2.txt, **cat file2.txt**
 - c. Give screenshot

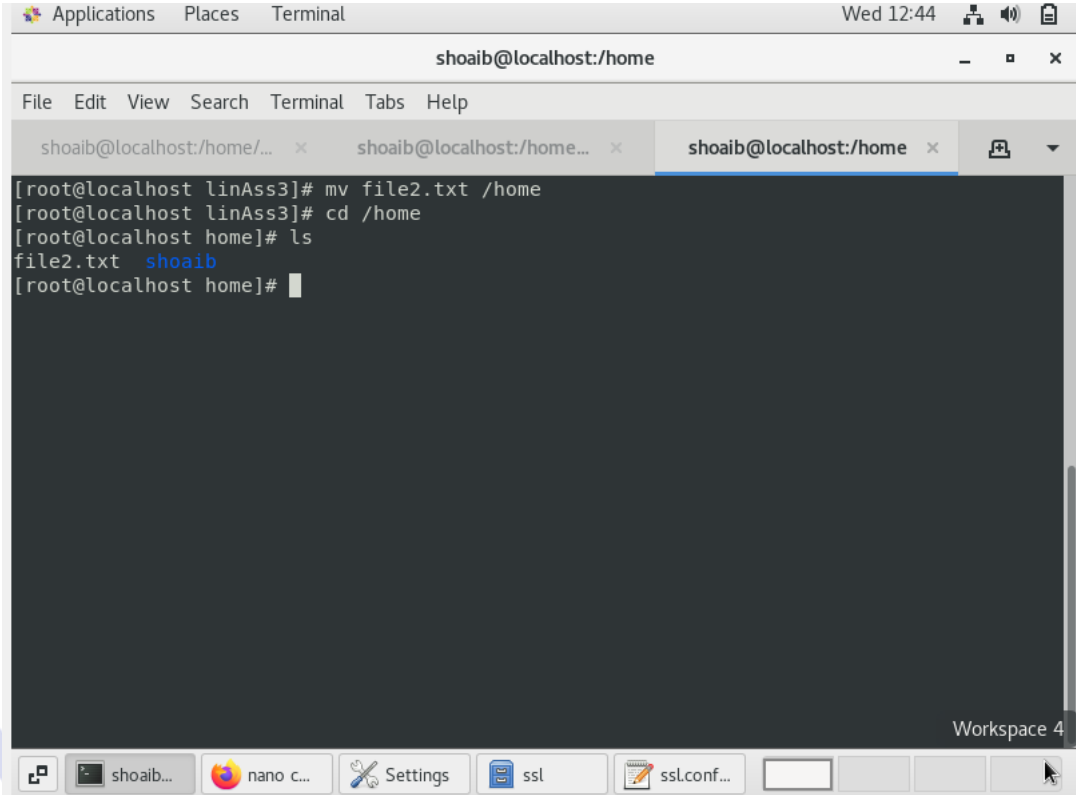


The screenshot shows a terminal window titled "shoaib@localhost:~/linux_Ass/linAss3". The terminal displays the following commands and their outputs:

```
[shoaib@localhost linAss3]$ vi file1.txt
[shoaib@localhost linAss3]$ cat file1.txt
hi i am shoaib
we are doing linux assignment
[shoaib@localhost linAss3]$ cp file1.txt file2.txt
[shoaib@localhost linAss3]$ cat file2.txt
hi i am shoaib
we are doing linux assignment
[shoaib@localhost linAss3]$
```

The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", "Tabs", and "Help". The bottom of the window shows a taskbar with icons for "shoaib...", "nano c...", "Settings", "ssl", "ssl.conf...", and "Workspace 4".

3. Now we will move the file2.txt to new folder **/home**
 - a. **mv file2.txt /home**
 - b. Then go to **home** directory and check **ls**, file exists or not?
 - c. Given screenshot



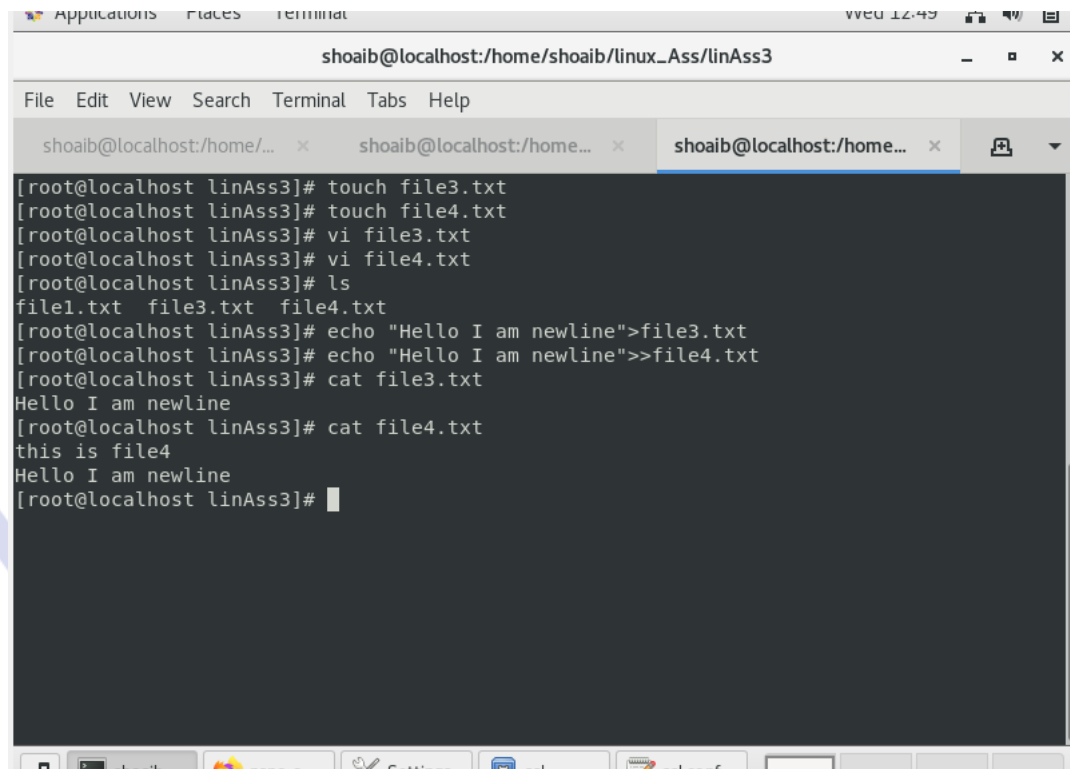
The screenshot shows a terminal window titled "shoaib@localhost:/home". The terminal output is as follows:

```
[root@localhost linAss3]# mv file2.txt /home
[root@localhost linAss3]# cd /home
[root@localhost home]# ls
file2.txt  shoaib
[root@localhost home]#
```

The terminal window is part of a desktop environment with a menu bar (Applications, Places, Terminal) and a taskbar at the bottom showing icons for shoaib..., nano C..., Settings, ssl, and ssl.conf... The window title bar also shows "Wed 12:44" and system icons.

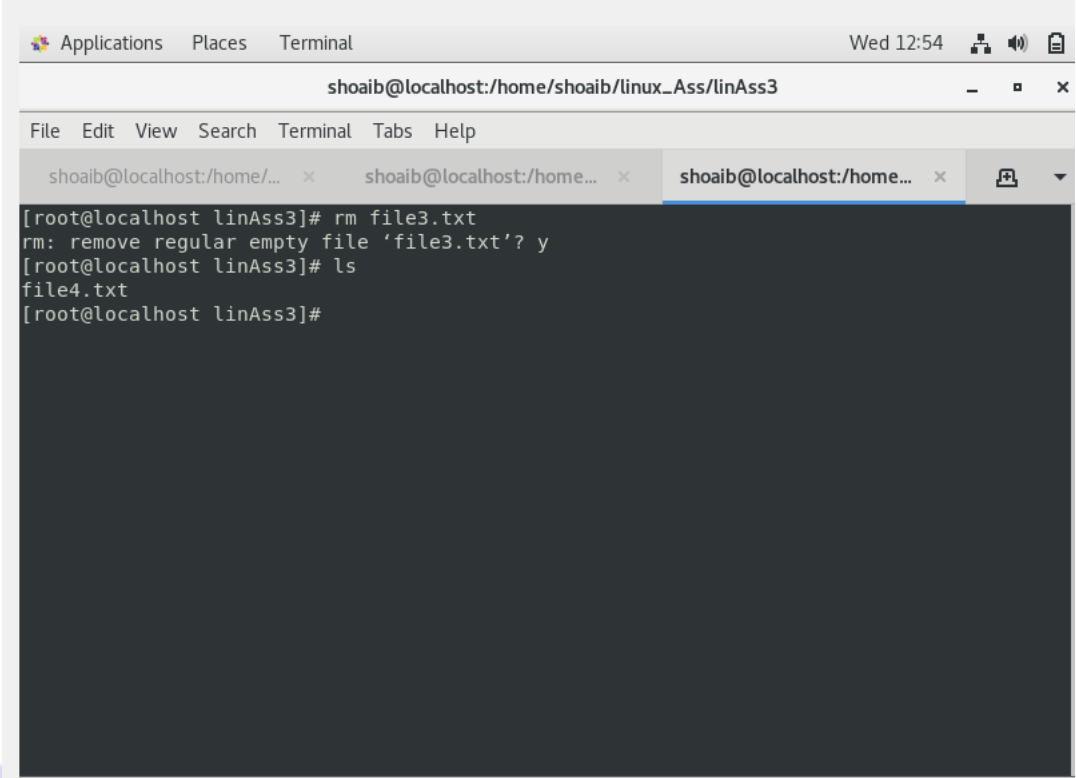
4. Then we create a new **file3.txt** and **file4.txt** in home directory and add content in it.
 - a. Now do **echo "Hello I am newline" > file3.txt** and provide the output of file3.txt
 - b. Now do **echo "Hello I am newline" >> file4.txt** and provide the output of file4.txt
 - c. Tell the different between both step you follow and the reason behind it

Sol: When we use the command **echo "Hello I am newline" > file3.txt** it replaces the existing content or overrides the file3. While the command **echo "Hello I am newline" >> file4.txt** add the data or append data into the existing data in the file4



```
shoaib@localhost:/home/shoaib/linux_Ass/linAss3
File Edit View Search Terminal Tabs Help
shoaib@localhost:/home/... x shoaib@localhost:/home... x shoaib@localhost:/home... x
[root@localhost linAss3]# touch file3.txt
[root@localhost linAss3]# touch file4.txt
[root@localhost linAss3]# vi file3.txt
[root@localhost linAss3]# vi file4.txt
[root@localhost linAss3]# ls
file1.txt file3.txt file4.txt
[root@localhost linAss3]# echo "Hello I am newline">file3.txt
[root@localhost linAss3]# echo "Hello I am newline">>file4.txt
[root@localhost linAss3]# cat file3.txt
Hello I am newline
[root@localhost linAss3]# cat file4.txt
this is file4
Hello I am newline
[root@localhost linAss3]#
```

5. For remove a file or directory you can use the below two commands
- To delete a file – **rm <any_filename>**

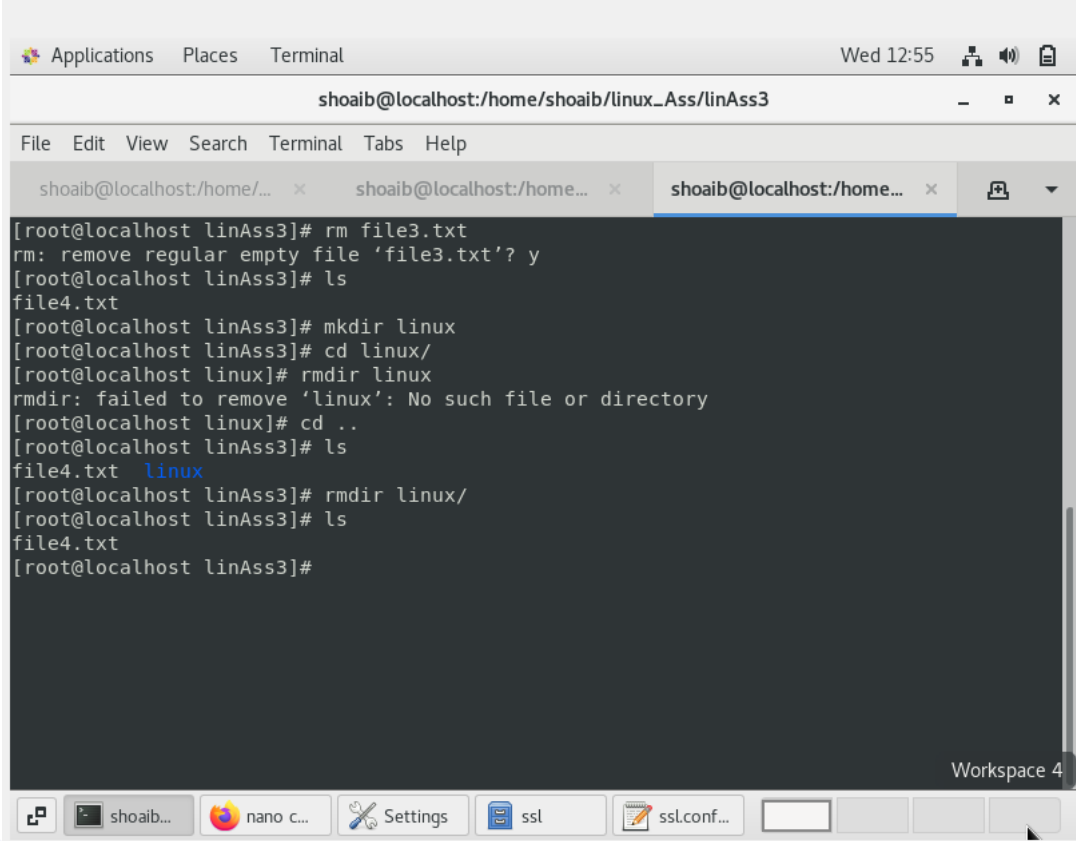


The screenshot shows a terminal window titled "shoaib@localhost:/home/shoaib/linux_Ass/linAss3". The terminal output is as follows:

```
[root@localhost linAss3]# rm file3.txt
rm: remove regular empty file 'file3.txt'? y
[root@localhost linAss3]# ls
file4.txt
[root@localhost linAss3]#
```

The terminal window has a menu bar with "File", "Edit", "View", "Search", "Terminal", "Tabs", and "Help". The status bar at the top right shows "Wed 12:54" and some system icons. The terminal window is part of a desktop environment with a taskbar at the bottom.

- b. To delete a directory - `rmdir<any_directoryname>`



The screenshot shows a terminal window titled 'shoaib@localhost:/home/shoaib/linux_Ass/linAss3'. The terminal output is as follows:

```
[root@localhost linAss3]# rm file3.txt
rm: remove regular empty file 'file3.txt'? y
[root@localhost linAss3]# ls
file4.txt
[root@localhost linAss3]# mkdir linux
[root@localhost linAss3]# cd linux/
[root@localhost linux]# rmdir linux
rmdir: failed to remove 'linux': No such file or directory
[root@localhost linux]# cd ..
[root@localhost linAss3]# ls
file4.txt  linux
[root@localhost linAss3]# rmdir linux/
[root@localhost linAss3]# ls
file4.txt
[root@localhost linAss3]#
```

The terminal window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', 'Tabs', and 'Help'. The bottom status bar shows 'Workspace 4' and a taskbar with icons for 'shoaib...', 'nano C...', 'Settings', 'ssl', and 'ssl.conf...'.