



Name: Deher Zainab

Sap ID: 49710

BSCS-5th Semester

OS Lab Tasks

LAB # 4

Submitted to:

Mam Ayesha

Question: Rename file atomic-notes with at-notes in the books directory.

```
student@student-virtual-machine: $ pico atomicNotes
student@student-virtual-machine: $ mv atomicNotes Books/atNotes
student@student-virtual-machine: $ cd Books
student@student-virtual-machine: ~/Books$ ls
atNotes atomicNotes chemistry computer math physics
student@student-virtual-machine: ~/Books$ cp atNotes physics/nuclear
student@student-virtual-machine: ~/Books$ ls
atNotes atomicNotes chemistry computer math physics
```

Question: Copy this file to sub-directory nuclear under the directory physics.

```
student@student-virtual-machine: ~/Books$ cd physics
student@student-virtual-machine: ~/Books/physics$ ls
classical nuclear
student@student-virtual-machine: ~/Books/physics$ cd nuclear
student@student-virtual-machine: ~/Books/physics/nuclear$ ls
atNotes
student@student-virtual-machine: ~/Books/physics/nuclear$ cd
```

Question: Removed Write(w) permission for owner (user) from file result.comp.

```
student@student-virtual-machine: $ pico result.comp
student@student-virtual-machine: $ ls -l
total 64
drwxrwxr-x 6 student student 4096 14:36 28 فروی Books
drwxr-xr-x 2 student student 4096 13:12 21 فروی Desktop
drwxr-xr-x 2 student student 4096 13:55 28 فروی Documents
drwxr-xr-x 2 student student 4096 13:12 21 فروی Downloads
-rw-rw-r-- 1 student student 12 13:47 28 فروی lab4.1
-rw-rw-r-- 1 student student 18 13:49 28 فروی lab6
drwxr-xr-x 2 student student 4096 13:12 21 فروی Music
-rw-rw-r-- 1 student student 12 13:54 28 فروی newlab
-rw-rw-r-- 1 student student 12 13:44 28 فروی oslab
-rw-rw-r-- 1 student student 12 13:51 28 فروی OSlab4
drwxr-xr-x 2 student student 4096 13:12 21 فروی Pictures
drwxr-xr-x 2 student student 4096 13:12 21 فروی Public
-rw-rw-r-- 1 student student 6 14:44 28 فروی result.comp
drwx----- 3 student student 4096 13:12 21 فروی snap
drwxr-xr-x 2 student student 4096 13:12 21 فروی Templates
drwxr-xr-x 2 student student 4096 13:12 21 فروی Videos

student@student-virtual-machine: $ chmod u-w result.comp
```

Question: Group and other get execute access for file stock.

```
student@student-virtual-machine: $ pico stock
student@student-virtual-machine: $ chmod g=x stock
student@student-virtual-machine: $ chmod o=x stock
```

Question: Set group access for reading(r) and execute(x) of myFile.

```
student@student-virtual-machine: $ chmod g=rx myFile

student@student-virtual-machine: $ chmod g=rx myFile
```

Question: Create a directory called **lab4** and create three files say quiz, report and viva inside the directory

```
student@student-virtual-machine: $ mkdir lab4
student@student-virtual-machine: $ cd lab4
student@student-virtual-machine: /lab4 $ pico quiz
student@student-virtual-machine: /lab4 $ pico report
student@student-virtual-machine: /lab4 $ pico viva
```

Now try to set the following rights;

-rw- r-- r- quiz

-rw- -w- r- - report

-rwx rwx r-x viva

```
student@student-virtual-machine: /lab4 $ chmod 644 quiz
student@student-virtual-machine: /lab4 $ chmod 624 report
student@student-virtual-machine: /lab4 $ chmod 775 viva
```

Also try to change access permission of **lab4** directory as well and see how it affects.

```
student@student-virtual-machine: $ chmod 644 lab4
```