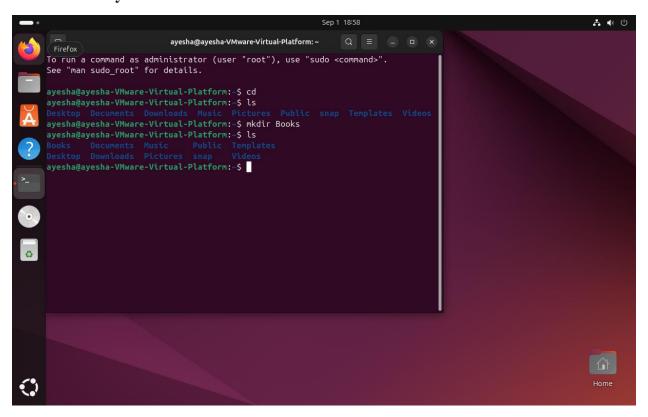
Ayesha Zubair

52916

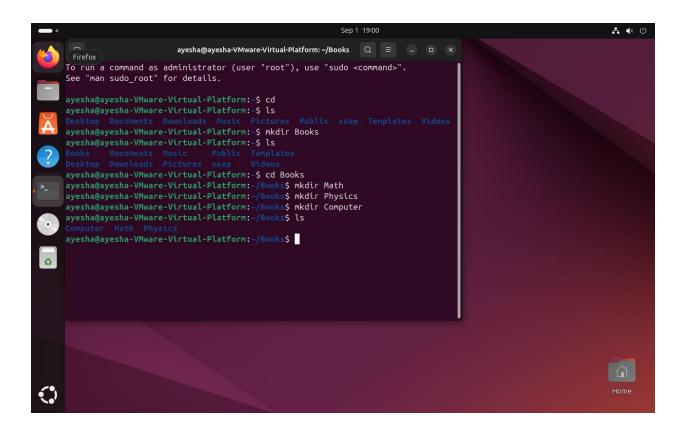
OS Lab 3

# **Creating the Directory Structure**

# **Books Directory**

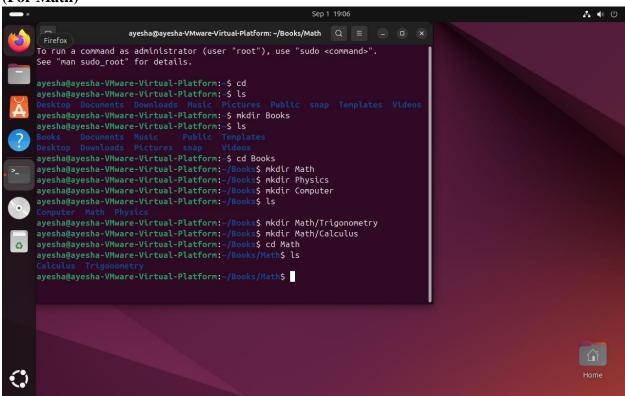


**Creating Directories: Math, Physics and Computer** 

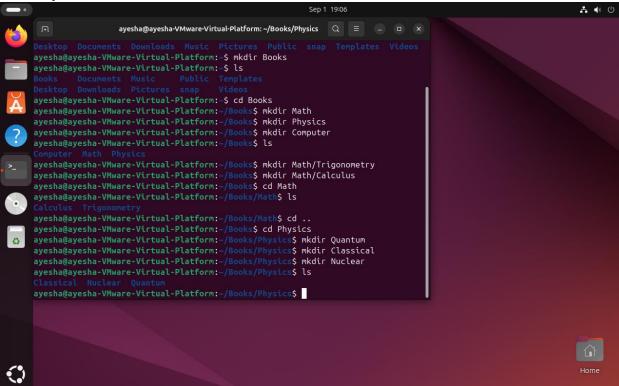


# **Creating subdirectories:**

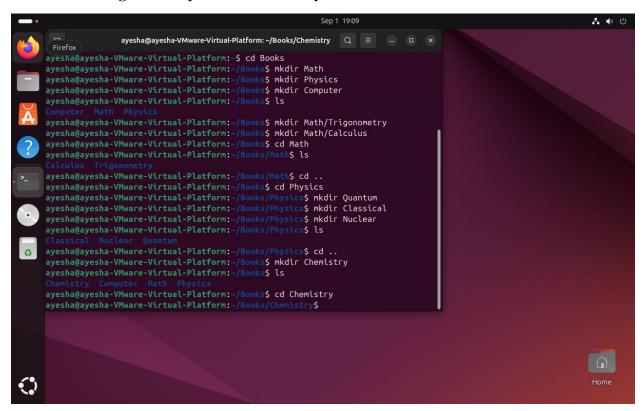
#### (For Math)



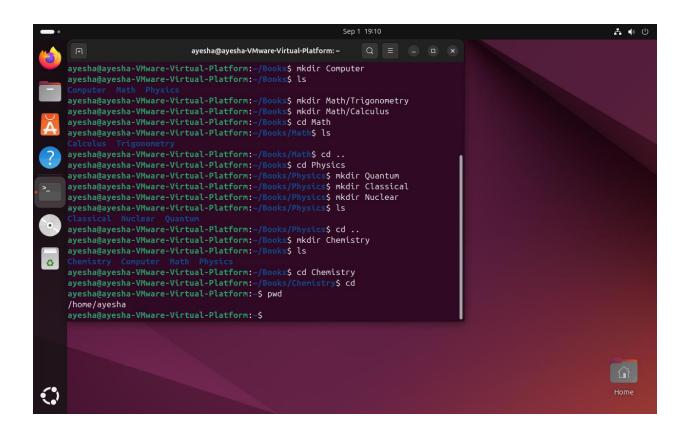
#### (For Physics)



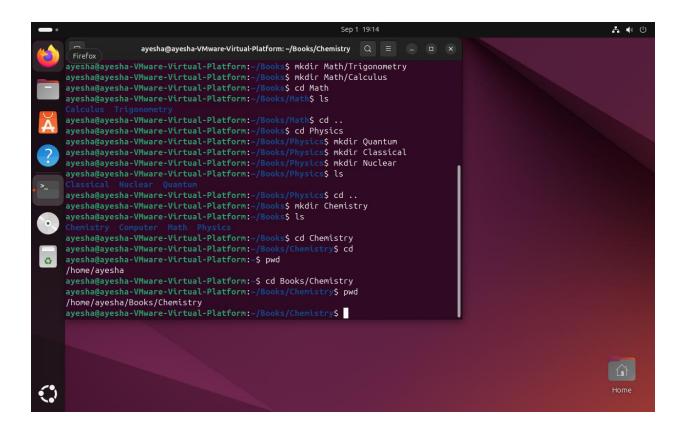
Task 1: Creating Directory named Chemistry under Books



Go to Home directory directly from Chemistry:



Task 2: Going to Chemistry Directory directly:

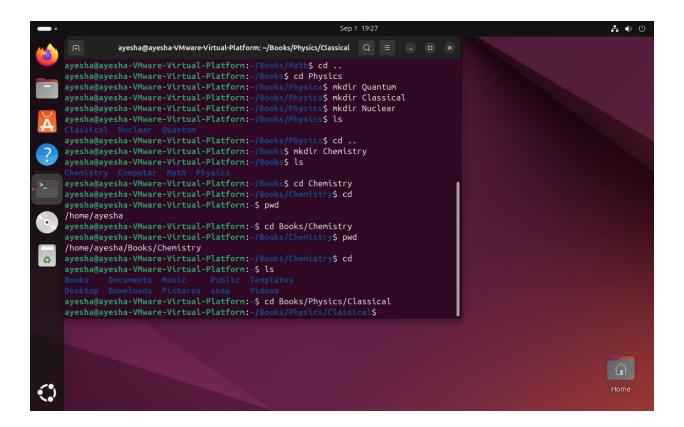


#### Question: What do you think books/chemistry is relative or absolute path?

**Ans:** books/chemistry starts from home directory. Absolute directory path always starts from root directory and since books/chemistry is starting from home directory, so it is relative path.

**Task 3:** How will you add a directory **graphics** under the directory computer while you are in **physics**' subdirectory **classical**?

In physics classical:



#### **Creating directory Graphics in Computer**

```
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Physics/Classical$ mkdir /home/ayesha/Books/Computer/Graphics
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Physics/Classical$ cd ..
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Physics$ cd ..
ayesha@ayesha-VMware-Virtual-Platform:-/Books$ cd Computer
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Computer$ ls
Graphics
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Computer$
```

Task 4: You are in books directory, from here try to remove sub-directory quantum under the directory physics. Now move to directory computer, from here remove sub-directory calculus under the directory math.

### Removing sub directory quantum under physics while being in Books:

```
ayesha@ayesha-VMware-Virtual-Platform:~\$ cd Books
ayesha@ayesha-VMware-Virtual-Platform:~\Books\$ rmdir Physics\Quantum
ayesha@ayesha-VMware-Virtual-Platform:~\Books\$ ls
Chemistry Computer Math Physics
ayesha@ayesha-VMware-Virtual-Platform:~\Books\$ cd Physics
ayesha@ayesha-VMware-Virtual-Platform:~\Books\Physics\$ ls
Classical Nuclear
ayesha@ayesha-VMware-Virtual-Platform:~\Books\Physics\$
```

Now move to directory computer, from here remove sub-directory calculus under the directory math.

```
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Physics$ cd ..
ayesha@ayesha-VMware-Virtual-Platform:-/Books$ cd Computer
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Computer$ rmdir /home/ayesha/Books/Math/Calculus
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Computer$ cd ..
ayesha@ayesha-VMware-Virtual-Platform:-/Books$ cd Math
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Math$ ls
Trigonometry
ayesha@ayesha-VMware-Virtual-Platform:-/Books/Math$
```

# Task 5: Which are the Linux Directory Commands? Explain the understanding of commands in your own words.

Linux directory commands are used to navigate different directories and subdirectories. They are also used to create or remove directories and subdirectories.

Some linux commands are:

Pwd: it gives the path of the directory in which we are currently present

Ls or dir: lists down all the files present in a directory

La –a: lists all the files, even the hidden files

Ls –1: displays all the files with its details, for e.g. date created

Ls –r: lists all the files in reverse order

Cd: command used to change directory

Cd: command that takes to home directory

Cd/: command that takes to root directory

Cd..: command that takes to parent directory (1 directory above in a hierarchal structure)

Mkdir: used to create a directory or subdirectory

Rmdir: used to remove a directory or a subdirectory

Rm –r: this command is used to delete a directory when it is non empty.