

Riphah International University Islamabad



Saira Kousar

55503 (CS-5)

Operating System

OS Lab # 03

Task # 01

```
ubuntu@ubuntu:~$ mkdir Books/maths
ubuntu@ubuntu:~$ mkdir Books/physics
ubuntu@ubuntu:~$ mkdir books/computer
mkdir: cannot create directory 'books/computer': No such file or directory
ubuntu@ubuntu:~$ mkdir Books/computer
ubuntu@ubuntu:~$ mkdir Books/maths/trigonometry
ubuntu@ubuntu:~$ mkdir Books/maths/calculus
ubuntu@ubuntu:~$ mkdir Books/physics/quantum
ubuntu@ubuntu:~$ mkdir Books/physics/classical
ubuntu@ubuntu:~$ mkdir Books/physics/nuclear
ubuntu@ubuntu:~$ mkdir Books/chemistry
ubuntu@ubuntu:~$ cd
ubuntu@ubuntu:~$ pwd
```

Task # 02

```
ubuntu@ubuntu:~$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd Books/chemistry
ubuntu@ubuntu:~/Books/chemistry$
ubuntu@ubuntu:~/Books/chemistry$ cd
```

Reason:

Books/chemistry is a **relative path** because it does not start with / (root). It shows the way to the chemistry folder starting from your current directory, not from the system's root.

Task # 03

```
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd Books/physics/classical
ubuntu@ubuntu:~/Books/physics/classical$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ mkdir Books/computer/graphics
ubuntu@ubuntu:~$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
```

Task # 04

```
ubuntu@ubuntu:~$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd Books/physics
ubuntu@ubuntu:~/Books/physics$ rm -r quantum
ubuntu@ubuntu:~/Books/physics$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd Books/computer
ubuntu@ubuntu:~/Books/computer$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
ubuntu@ubuntu:~$ cd Books/maths
ubuntu@ubuntu:~/Books/maths$ rm -r calculus
ubuntu@ubuntu:~/Books/maths$ cd
ubuntu@ubuntu:~$ pwd
/home/ubuntu
```

Task # 05

Linux Directory Commands:

- **ls**

Shows all the files and folders inside your current directory, like looking at a list of items in a folder.

- **cd**

Let you move from one folder to another so you can work inside it.

- **pwd**

Tells you the exact location (path) of the folder you are currently in.

- **mkdir**

Creates a brand-new folder with the name you choose.

- **rmdir**

Deletes a folder, but only if it is empty.