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Section: SE 5-2

Lab # 03

Show Simulation results after performing the following tasks by using suitable commands in Linux

1) Verify that you are in your home directory.

```
hammad56765@Ubuntu:~$ ls
Desktop  Documents  Downloads  Music  Pictures  Public  snap  Templates  Videos
hammad56765@Ubuntu:~$ pwd
/home/hammad56765
```

2) Make the directory adir using the command: mkdir adir if problem occurs, use sudo mkdir adir and then give password.

```
hammad56765@Ubuntu:~$ su -
Password:
root@Ubuntu:~# cd /
root@Ubuntu:/# sudo mkdir adir
root@Ubuntu:/# ls
adir  boot   dev  home   lib    lib64   lost+found  mnt  proc  run   snap  swapfile  tmp  var
bin   cdrom  etc  lab03  lib32  libx32  media       opt  root  sbin  srv   sys       usr
```

3) List the files in the current directory to verify that the directory adir has beenmade correctly.

4) Change directories to adir.

5) Verify that you have succeeded in moving to the adir directory.

```
root@Ubuntu:/# cd adir
root@Ubuntu:/adir#
```

6) Make the following directory hierarchy: books math physics computer trigonometry calculus quantum classical nuclear

```
root@Ubuntu:~# cd aadir
root@Ubuntu:~/aadir# cd..
cd..: command not found
root@Ubuntu:~/aadir# sudo mkdir books
root@Ubuntu:~/aadir# ls
books
root@Ubuntu:~/aadir# cd books
root@Ubuntu:~/aadir/books# sudo mkdir math
root@Ubuntu:~/aadir/books# sudo mkdir physics
root@Ubuntu:~/aadir/books# sudo mkdir computer
root@Ubuntu:~/aadir/books# ls
computer   math   physics
root@Ubuntu:~/aadir/books# cd math
root@Ubuntu:~/aadir/books/math# sudo mkdir trignometry
root@Ubuntu:~/aadir/books/math# sudo mkdir calculus
root@Ubuntu:~/aadir/books/math# ls
calculus   trignometry
```

```
root@Ubuntu:~/aadir/books/math# cd ..
root@Ubuntu:~/aadir/books# cd physics
root@Ubuntu:~/aadir/books/physics# mkdir quantum
root@Ubuntu:~/aadir/books/physics# mkdir classical
root@Ubuntu:~/aadir/books/physics# mkdir nuclear
root@Ubuntu:~/aadir/books/physics# ls
classical  nuclear  quantum
root@Ubuntu:~/aadir/books/physics#
```