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COURSE: OPERATING SYSTEM

Section: BSSE (5-1)

LAB TASKS:

1) **Verify that are in your home directory.**

```
Hamza@Ubuntu:~/labs3/task1$ cd
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
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Hamza@Ubuntu:~$
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Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
Hamza@Ubuntu:~$
```

2) **Make the directory adir using the command: mkdir adir if problems occur, using sudo mkdir adir and then give password.**

```
Hamza@Ubuntu:~$ pwd
/home/Hamza
Hamza@Ubuntu:~$ mkdir adir
Hamza@Ubuntu:~$ cd adir
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
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Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
```

3) **List the file in the current directory to verify that the directory adir has been made correctly.**

```
Hamza@Ubuntu:~/adir$ ls
Hamza@Ubuntu:~/adir$ pwd
/home/Hamza/adir
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
```

4) Change directories to adir.

```
Hamza@Ubuntu:~/adir$ ls
Hamza@Ubuntu:~/adir$ cd
Hamza@Ubuntu:~$ cd adir
Hamza@Ubuntu:~/adir$ pwd
/home/Hamza/adir
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
```

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

```
Hamza@Ubuntu:~$ pwd
/home/Hamza
Hamza@Ubuntu:~$ cd adir
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
Hamza@Ubuntu:~/adir$
```

6) Make the following directory hierarchy:

For Math:

```
Hamza@Ubuntu:~/adir$ mkdir books
Hamza@Ubuntu:~/adir$ cd books
Hamza@Ubuntu:~/adir/books$ mkdir math
```

Further Maths:

```
Hamza@Ubuntu:~/adir/books/math$ mkdir trignometry
Hamza@Ubuntu:~/adir/books/math$ cd trignometry
Hamza@Ubuntu:~/adir/books/math/trignometry$ ls
Hamza@Ubuntu:~/adir/books/math/trignometry$ ls -la
total 8
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 04:50 .
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 04:50 ..
Hamza@Ubuntu:~/adir/books/math/trignometry$ mkdir calculus
Hamza@Ubuntu:~/adir/books/math/trignometry$ cd calculus
Hamza@Ubuntu:~/adir/books/math/trignometry/calculus$ ls
Hamza@Ubuntu:~/adir/books/math/trignometry/calculus$ ls -la
total 8
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 04:50 .
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 04:50 ..
Hamza@Ubuntu:~/adir/books/math/trignometry/calculus$ pwd
/home/Hamza/adir/books/math/trignometry/calculus
Hamza@Ubuntu:~/adir/books/math/trignometry/calculus$
```

For Physics:

```
Hamza@Ubuntu:~/adir/books$ mkdir physics
```

Further Physics:

```
Hamza@Ubuntu:~/adir/books$ cd physics
Hamza@Ubuntu:~/adir/books/physics$ mkdir quantum
Hamza@Ubuntu:~/adir/books/physics$ ls
quantum
Hamza@Ubuntu:~/adir/books/physics$ ls -la
total 12
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 04:55 .
drwxrwxr-x 5 Hamza Hamza 4096 Sep  8 04:46 ..
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 04:55 quantum
Hamza@Ubuntu:~/adir/books/physics$ cd quantum
Hamza@Ubuntu:~/adir/books/physics/quantum$ ls
Hamza@Ubuntu:~/adir/books/physics/quantum$ ls -la
total 8
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 04:55 .
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 04:55 ..
Hamza@Ubuntu:~/adir/books/physics/quantum$ cd..
cd..: command not found
```

```
Hamza@Ubuntu:~/adir/books/physics/quantum$ cd..
cd..: command not found
Hamza@Ubuntu:~/adir/books/physics/quantum$ cd..
cd..: command not found
Hamza@Ubuntu:~/adir/books/physics/quantum$ mkdir classical
Hamza@Ubuntu:~/adir/books/physics/quantum$ cd classical
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ ls
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ ls --la
ls: unrecognized option '--la'
Try 'ls --help' for more information.
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ ls
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ ls -la
total 8
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 04:59 .
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 04:59 ..
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ mkdir nuclus
Hamza@Ubuntu:~/adir/books/physics/quantum/classical$ cd nuclus
Hamza@Ubuntu:~/adir/books/physics/quantum/classical/nuclus$ ls
Hamza@Ubuntu:~/adir/books/physics/quantum/classical/nuclus$ ls -la
total 8
drwxrwxr-x 2 Hamza Hamza 4096 Sep  8 05:01 .
drwxrwxr-x 3 Hamza Hamza 4096 Sep  8 05:01 ..
Hamza@Ubuntu:~/adir/books/physics/quantum/classical/nuclus$ pwd
/home/Hamza/adir/books/physics/quantum/classical/nuclus
Hamza@Ubuntu:~/adir/books/physics/quantum/classical/nuclus$
```