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Sap: **55766**

Section: 5-2

OS Lab 03

Task01:

Changing to Home Directory

```
sufyanahmed@55766:/

sufyanahmed@55766:~$ ls

Desktop Documents Downloads Music Pictures Public snap Templates Videos
sufyanahmed@55766:~$ pwd
/home/sufyanahmed
sufyanahmed@55766:~$ cd /
sufyanahmed@55766:/$ pwd
/
sufyanahmed@55766:/$ =
```

Task02:

Creating Directory "lab03"

```
sufyanahmed@55766:/$ mkdir lab03
mkdir: cannot create directory 'lab03': Permission denied
sufyanahmed@55766:/$ sudo mkdir lab03
sufyanahmed@55766:/$
```

Task03:

List the Directories

```
sufyanahmed@55766:/$ ls
bin cdrom etc lab03 lib32 libx32 media opt root sbin srv
boot dev home lib lib64 lost+found mnt proc run snap swapfile |
sufyanahmed@55766:/$
```

Task04:

Changing Directory "lab03"

```
sufyanahmed@55766:/$ ls
bin cdrom etc lab03 lib32 libx32 media opt root sbin srv
boot dev home lib lib64 lost+found mnt proc run snap swapfile sufyanahmed@55766:/$ cd lab03
sufyanahmed@55766:/lab03$
```

Task05:

Verifying Directory "lab03"

```
sufyanahmed@55766:/$ ls
bin cdrom etc lab03 lib32 libx32 media opt root sbin srv sys
boot dev home lib lib64 lost+found mnt proc run snap swapfile sufyanahmed@55766:/$ cd lab03
sufyanahmed@55766:/lab03$ pwd
/lab03
sufyanahmed@55766:/lab03$
```

Task06:

Creating Hierarchy

```
sufyanahmed@55766: /lab03/books
sufyanahmed@55766:/$ ls
bin cdrom etc lab0
boot dev home lib
                                    lab03 lib32 libx32 media
lib lib64 lost+found mnt
                                                                                     media opt root sbin srv sys usr
mnt proc run snap swapfile tmp var
sufyanahmed@55766:/$ cd lab03
sufyanahmed@55766:/lab03$ pwd
/lab03
sufyanahmed@55766:/lab03$ sudo mkdir books
sufyanahmed@55766:/lab03$ cd books
sufyanahmed@55766:/lab03/books$ sudo mkdir math
sufyanahmed@55766:/lab03/books$ sudo mkdir physics
sufyanahmed@55766:/lab03/books$ sudo mkdir computer
sufyanahmed@55766:/lab03/books$ ls
sufyanahmed@55766:/lab03/books$ cd math
sufyanahmed@55766:/lab03/books/math$ sudo mkdir trignometery
sufyanahmed@55766:/lab03/books/math$ ls
sufyanahmed@55766:/lab03/books/math$ cd ..
sufyanahmed@55766:/lab03/books/math$ cd ..
sufyanahmed@55766:/lab03/books$ cd math
sufyanahmed@55766:/lab03/books/math$ sudo mkdir calculus
sufyanahmed@55766:/lab03/books/math$ cd ..
sufyanahmed@55766:/lab03/books$ cd physics
sufyanahmed@55766:/lab03/books/physics$ sudo mkdir quantum
sufyanahmed@55766:/lab03/books/physics$ sudo mkdir classical
sufyanahmed@55766:/lab03/books/physics$ sudo mkdir nuclear
sufyanahmed@55766:/lab03/books/physics$ ls
```

```
sufyanahmed@55766:/lab03/books$ ls
computer math physics
sufyanahmed@55766:/lab03/books$ cd computer
sufyanahmed@55766:/lab03/books/computer$ ls
sufyanahmed@55766:/lab03/books/computer$ cd ..
sufyanahmed@55766:/lab03/books/computer$ cd ..
sufyanahmed@55766:/lab03/books/math$ ls
calculus trignometery
sufyanahmed@55766:/lab03/books/math$ cd ..
sufyanahmed@55766:/lab03/books/math$ cd ..
sufyanahmed@55766:/lab03/books/scd physics
sufyanahmed@55766:/lab03/books/physics$ ls
classical nuclear quantum
sufyanahmed@55766:/lab03/books/physics$ ls
classical nuclear quantum
```

```
sufyanahmed@55766:/lab03$ ls -R
.:
books
./books:
computer math physics
./books/computer:
./books/math:
catculus trignometery
./books/math/trignometery:
./books/physics:
classical nuclear quantum
./books/physics/classical:
./books/physics/nuclear:
./books/physics/quantum:
sufyanahmed@55766:/lab03$
```