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Course: Operating System-Lab
Section: A

Lab Task #3

Task 1:

```
usman@usman-Inspiron-3520: ~/os_lab
usman@usman-Inspiron-3520:~/os_lab$ mkdir -p Grades/{A,B,C}
usman@usman-Inspiron-3520:~/os_lab$ cd Grades
usman@usman-Inspiron-3520:~/os_lab/Grades$ mkdir A/Maths
usman@usman-Inspiron-3520:~/os_lab/Grades$ mkdir B/{Physics,Maths}
usman@usman-Inspiron-3520:~/os_lab/Grades$ mkdir C/Physics
usman@usman-Inspiron-3520:~/os_lab/Grades$ cd ..
```

```
usman@usman-Inspiron-3520: ~/os_lab
usman@usman-Inspiron-3520:~/os_lab$ ls -R
.:
Grades

./Grades:
A  B  C

./Grades/A:
Maths

./Grades/A/Maths:

./Grades/B:
Maths  Physics

./Grades/B/Maths:

./Grades/B/Physics:

./Grades/C:
Physics

./Grades/C/Physics:
usman@usman-Inspiron-3520:~/os_lab$
```

Task 2:

```
usman@usman-Inspiron-3520: ~/os_lab/hardDrive/users/user1/Documents
usman@usman-Inspiron-3520:~/os_lab$ mkdir -p hardDrive/{a,b,users}
usman@usman-Inspiron-3520:~/os_lab$ cd hardDrive
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ touch file1.txt file2.txt
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ mkdir b/{c,d}
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ mkdir users/{user1,user2}
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ cd b
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b$ touch file3.txt file4.txt
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b$ cd c
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b/c$ mkdir e
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b/c$ touch file5.txt
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b/c$ cd e
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b/c/e$ touch file7.txt file8.txt
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b/c/e$ cd ../../
usman@usman-Inspiron-3520:~/os_lab/hardDrive/b$ cd ..
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ cd users
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users$ mkdir user1/{Documents,Downloads,Pictures}
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users$ cd user1
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users/user1$ touch file6.txt
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users/user1$ cd Documents
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users/user1/Documents$ touch file9.txt file10.txt
```

```
usman@usman-Inspiron-3520: ~/os_lab
usman@usman-Inspiron-3520:~/os_lab/hardDrive/users/user1/Documents$ cd ../../..
usman@usman-Inspiron-3520:~/os_lab/hardDrive$ cd ..
usman@usman-Inspiron-3520:~/os_lab$ ls -R
.:
hardDrive

./hardDrive:
a b file1.txt file2.txt users

./hardDrive/a:

./hardDrive/b:
c d file3.txt file4.txt

./hardDrive/b/c:
e file5.txt

./hardDrive/b/c/e:
file7.txt file8.txt

./hardDrive/b/d:

./hardDrive/users:
user1 user2

./hardDrive/users/user1:
Documents Downloads file6.txt Pictures

./hardDrive/users/user1/Documents:
file10.txt file9.txt

./hardDrive/users/user1/Downloads:

./hardDrive/users/user1/Pictures:

./hardDrive/users/user2:
```