```
bartoccij@cscwu:/tmp$ mkdir OS
bartoccij@cscwu:/tmp$ cd OS
bartoccij@cscwu:/tmp/OS$ mkdir CWU/LabAssignments
mkdir: cannot create directory 'CWU/LabAssignments': No such file or directory
bartoccij@cscwu:/tmp/OS$ mkdir CWU
bartoccij@cscwu:/tmp/OS$ cd CWU
bartoccij@cscwu:/tmp/OS/CWU$ mkdir LabAssignments
bartoccij@cscwu:/tmp/OS/CWU$ cd LabAssignments/
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments$ mkdir Lab2
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments$ cd Lab2/
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ touch ex1.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ nano ex1.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls
ex1.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ cat ex1.txt
This is a test
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ cd ..
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments$ cd Lab2/
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ mkdir directory1
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ mkdir directory2
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ touch ex2.txt ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ nano ex2.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ nano ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$
```

```
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 20
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:05 directory1
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:05 directory2
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:04 ex1.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex2.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ sudo chown root ex1.txt
[sudo] password for bartoccij:
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls -1
directory1
directory2
ex1.txt
ex2.txt
ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 20
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:05 directory1
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:05 directory2
-rw-rw-r-- 1 root      bartoccij   15 Jan 23 18:04 ex1.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex2.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$
```

```
        ├── directory1
        │   └── thing.txt
        ├── directory2
        ├── ex1.txt
        ├── ex2.txt
        └── ex3.txt

2 directories, 4 files
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ cd directory2
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2/directory2$ touch stuff.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2/directory2$ cd ..
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ tree

        ├── directory1
        │   └── thing.txt
        ├── directory2
        │   └── stuff.txt
        ├── ex1.txt
        ├── ex2.txt
        └── ex3.txt

2 directories, 5 files
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$
```

```
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:12 directory1
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:14 directory2
-rw-rw-r-- 1 root      bartoccij   15 Jan 23 18:04 ex1.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex2.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ sudo chown bartoccij ex1.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 20
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:12 directory1
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:14 directory2
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:04 ex1.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex2.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ chmod -rwx ex1.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls-l
ls-l: command not found
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 20
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:12 directory1
drwxrwxr-x 2 bartoccij bartoccij 4096 Jan 23 18:14 directory2
---------- 1 bartoccij bartoccij   15 Jan 23 18:04 ex1.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex2.txt
-rw-rw-r-- 1 bartoccij bartoccij   15 Jan 23 18:05 ex3.txt
bartoccij@cscwu:/tmp/OS/CWU/LabAssignments/Lab2$
```