Robinson – CS 470 Lab 2

Creating directories and touching ex1.txt:

```
jake@jake-VM:/tmp/OS/CMU/LabAssignments$ mkdir -p /tmp/OS/CMU/LabAssignments
jake@jake-VM:/tmp/OS/CMU/LabAssignments$ cd /tmp/OS/CMU/LabAssignments
jake@jake-VM:/tmp/OS/CMU/LabAssignments$ mkdir Lab2 && cd Lab2
jake@jake-VM:/tmp/OS/CMU/LabAssignments$ Abbis touch ex1.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Labis touch ex1.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Labis nano ex1.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Labis
```

Writing in ex1.txt using nano:



Using echo and Is to check if the file was created and cat to view the contents of the file:

```
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$ ls
exi.txt
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$ cat exi.txt
This is a test
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$ echo exi.txt
exi.txt
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$
```

Steps 7 – 11:

```
Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 touch ex2.txt ex3.txt

Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 tree

directory1
    directory2
    ex1.txt
    ex2.txt
    ex2.txt

ex3.txt

2 directorles, 3 files
    jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 nano ex2.txt
    axiee ex3.txt

2 directorles, 3 files
    jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 nano ex2.txt
    axiee jake-WH:/tmp/05/CNU/LabAssignments/Lab25 nano
directory1/ directory2/ ex1.txt
    ex3.txt

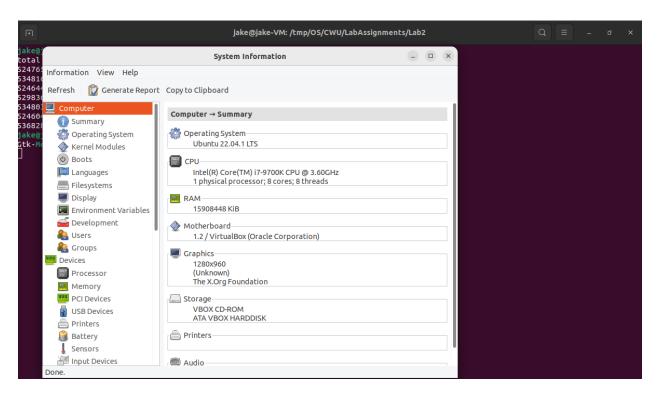
Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 nano
ex3.txt
Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 pwd
/tmp/05/CNU/LabAssignments/Lab25 pwd
/tmp/05/CNU/LabAssignments/Lab25 pwd
/tmp/05/CNU/LabAssignments/Lab25 ls -1
total 20
dirwxrwxr-x 2 jake jake 4096 Jan 23 17:52 directory1
dirwxrwxr-x 2 jake jake 4096 Jan 23 17:52 directory2
-tw-rw-r-- 1 jake jake 15 Jan 23 17:54 ex1.txt
-rw-rw-r-- 1 jake jake 16 Jan 23 37:53 ex2.txt
-rw-rw-r-- 1 jake jake 16 Jan 23 37:53 ex3.txt
Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 sudo chown alexander ex1.txt
[sudo] password for jake:
chown: invalid user: 'alexander'
Jake@jake-WH:/tmp/05/CNU/LabAssignments/Lab25 sudo chown root ex2.txt
Jake@jake-WH:/tmp/05/CNU/LabAssignments
```

Step 12: list all directories and subdirectories

```
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$ ls -lai

total 28
524765 drwxrwxr-x 4 jake jake 4096 Jan 23 17:53 .
534816 drwxrwxr-x 3 jake jake 4096 Jan 23 17:57 directory1
529836 drwxrwxr-x 2 jake jake 4096 Jan 23 17:52 directory2
529836 drwxrwxr-x 2 jake jake 4096 Jan 23 17:52 directory2
534803 -rw-rw-r-- 1 root jake 15 Jan 23 17:53 ex2.txt
524604 -rw-rw-r-- 1 jake jake 16 Jan 23 17:53 ex2.txt
536828 -rw-rw-r-- 1 jake jake 16 Jan 23 17:53 ex3.txt
jake@jake-VM:/tmp/OS/CWU/LabAssignments/Lab2$
```

Hardinfo:



Step 14 Changing permissions:

```
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Lab2$ ls -la
total 28
drwxrwxr-x 4 jake jake 4096 Jan 23 17:53 .
drwxrwxr-x 2 jake jake 4096 Jan 23 17:57 directory1
drwxrwxr-x 2 jake jake 4096 Jan 23 17:57 directory2
-rw-rw-r-- 1 jake jake 15 Jan 23 17:52 directory2
-rw-rw-r-- 1 jake jake 16 Jan 23 17:53 ex2.txt
-rw-rw-r-- 1 jake jake 16 Jan 23 17:53 ex3.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Lab2$ sudo chmod 064 ex1.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Lab2$ ls -lai
total 28
524765 drwxrwxr-x 4 jake jake 4096 Jan 23 17:53 .
534816 drwxrwxr-x 3 jake jake 4096 Jan 23 17:52 d.
524644 drwxrwxr-x 2 jake jake 4096 Jan 23 17:57 directory1
529836 drwxrwxr-x 2 jake jake 4096 Jan 23 17:57 directory1
529836 drwxrwxr-x 2 jake jake 4096 Jan 23 17:53 ex2.txt
536828 -rw-rw-r-- 1 jake jake 16 Jan 23 17:53 ex3.txt
jake@jake-VM:/tmp/OS/CMU/LabAssignments/Lab2$
```