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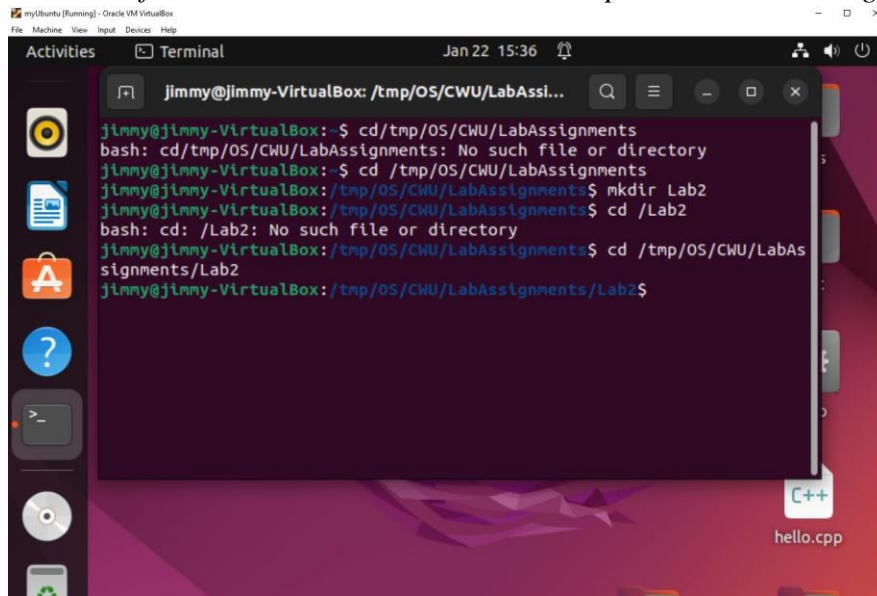
Date: 01/23/2023

Course: CS470 Operating System

Assignment: Lab 2

## Screenshots of Lab:

3. *Create an folder called Lab2 with mkdir in /tmp/OS/CWU/LabAssignments*

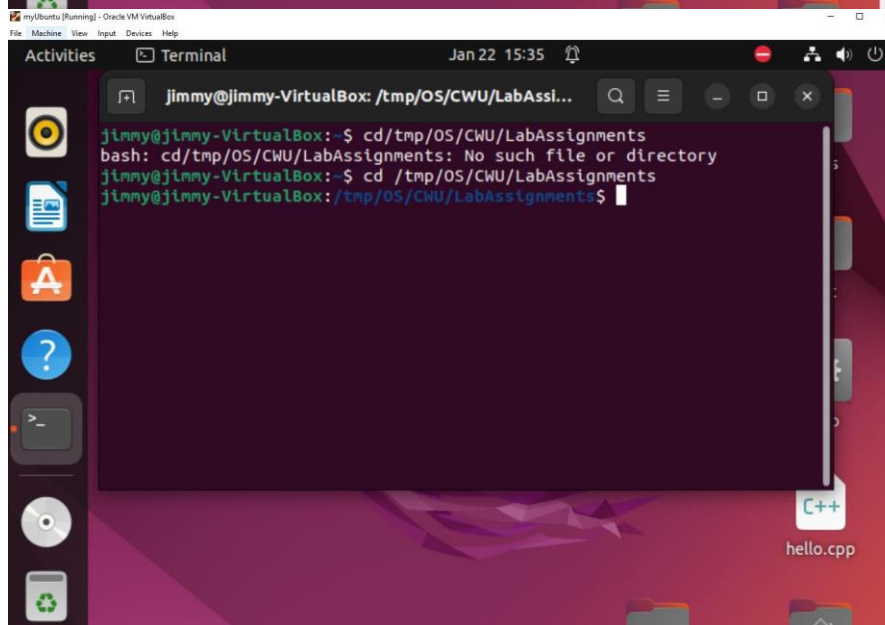


```
myUbuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Jan 22 15:36

jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...

jimmy@jimmy-VirtualBox:~$ cd/tmp/OS/CWU/LabAssignments
bash: cd/tmp/OS/CWU/LabAssignments: No such file or directory
jimmy@jimmy-VirtualBox:~$ cd /tmp/OS/CWU/LabAssignments
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$ mkdir Lab2
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$ cd /Lab2
bash: cd: /Lab2: No such file or directory
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$ cd /tmp/OS/CWU/LabAssignments/Lab2
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments/Lab2$
```



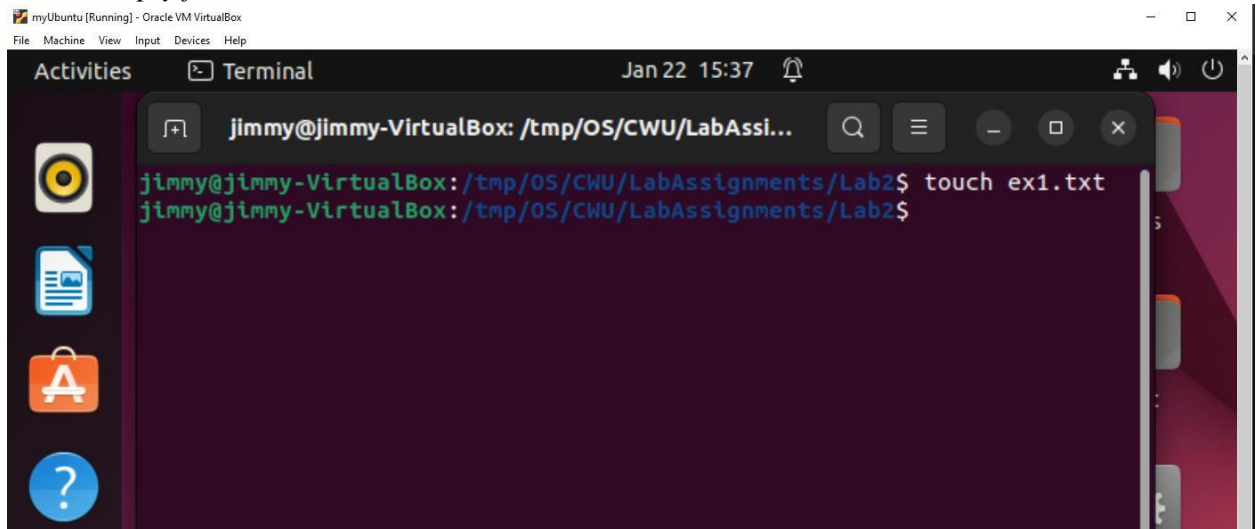
```
myUbuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Jan 22 15:35

jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...

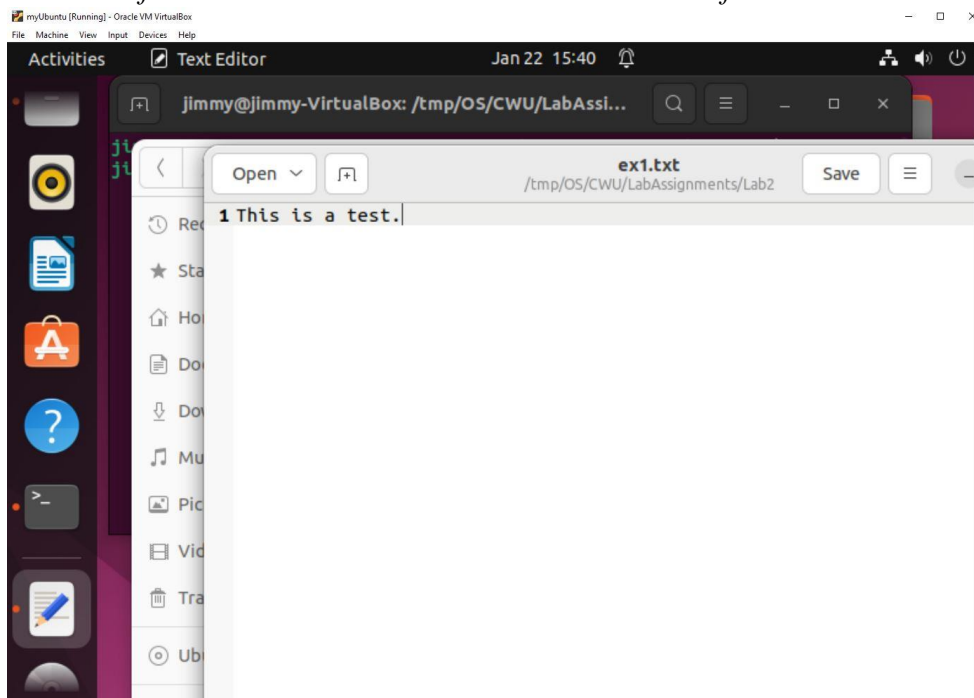
jimmy@jimmy-VirtualBox:~$ cd/tmp/OS/CWU/LabAssignments
bash: cd/tmp/OS/CWU/LabAssignments: No such file or directory
jimmy@jimmy-VirtualBox:~$ cd /tmp/OS/CWU/LabAssignments
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$
```

4. Create empty file called *ex1.txt* with *touch*



A screenshot of a terminal window titled "myUbuntu [Running] - Oracle VM VirtualBox". The window shows the command `touch ex1.txt` being executed in the directory `/tmp/OS/CWU/LabAssignments/Lab2`. The prompt is `jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$`. The terminal has a dark background with light-colored text. The window title bar shows "Activities", "Terminal", and the date/time "Jan 22 15:37".

5. Check the file was created with *ls* and *cat* to look at the files contents



A screenshot of a text editor window titled "myUbuntu [Running] - Oracle VM VirtualBox". The window shows the file `ex1.txt` being edited in the directory `/tmp/OS/CWU/LabAssignments/Lab2`. The file contains the text `1 This is a test.`. The window title bar shows "Activities", "Text Editor", and the date/time "Jan 22 15:40".

myUbuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jan 22 15:43

```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...  
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls  
ex1.txt  
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$
```

Videos  
Trash  
Ubuntu 22.0...

myUbuntu [Running] - Oracle VM VirtualBox

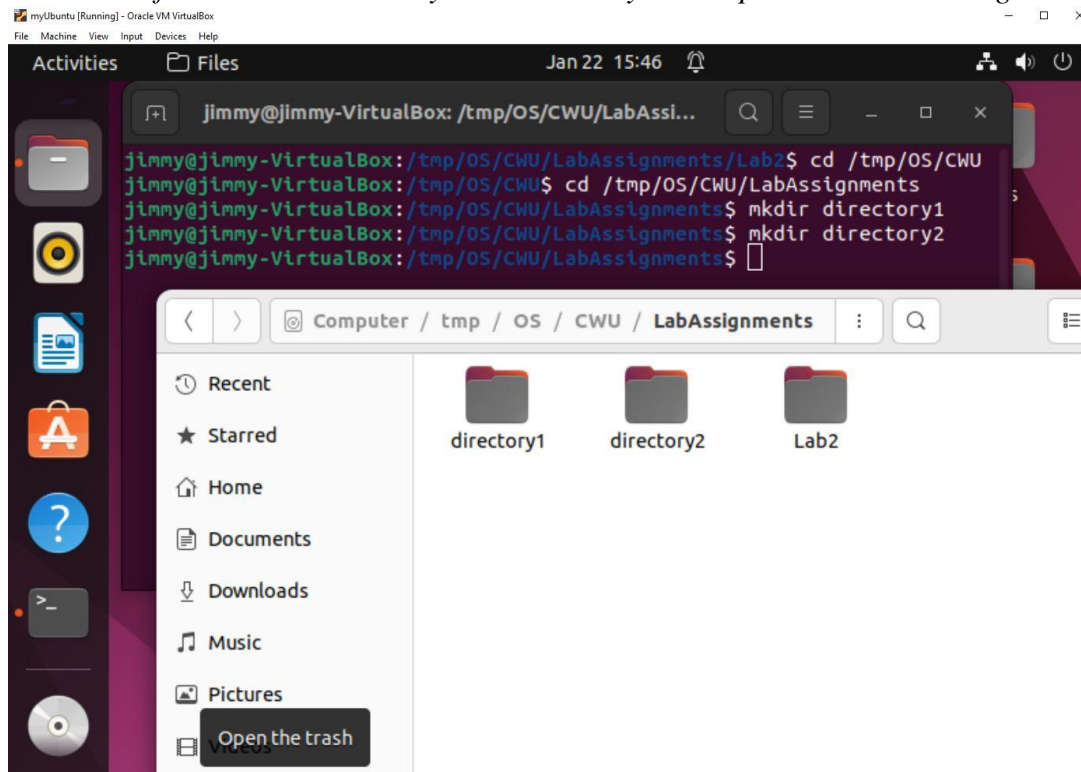
File Machine View Input Devices Help

Activities Terminal Jan 22 15:44

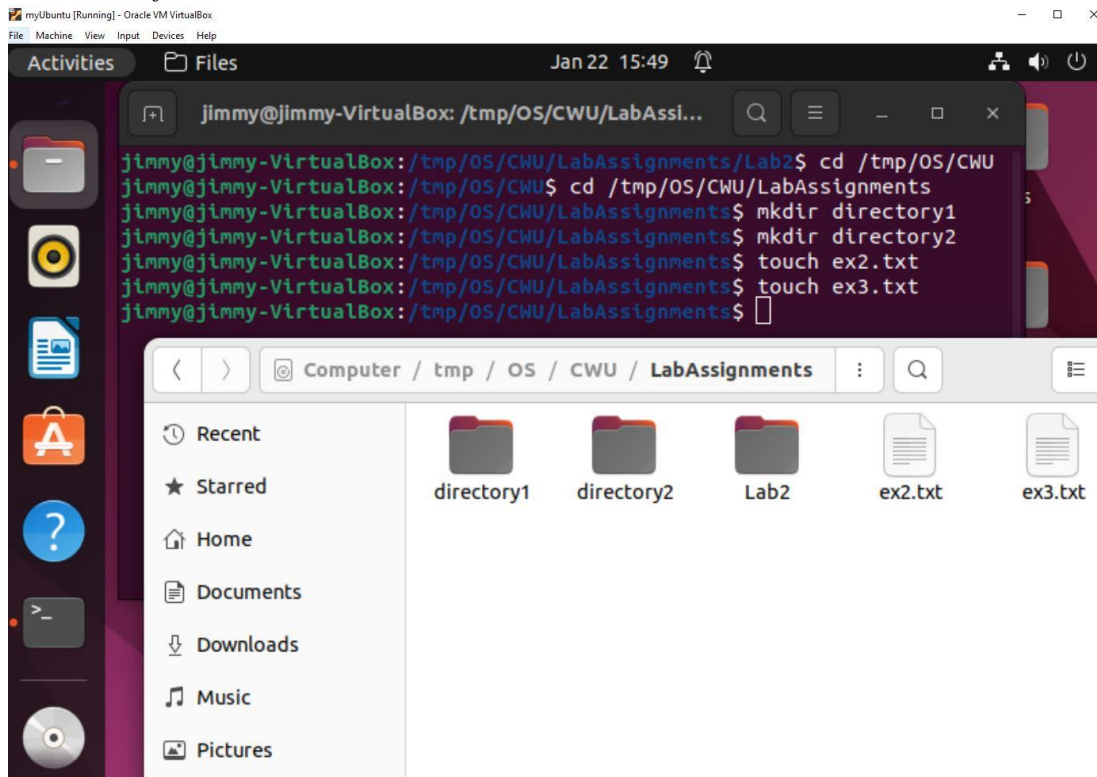
```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...  
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls  
ex1.txt  
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ cat ex1.txt  
This is a test.  
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$
```

Videos  
Trash  
Ubuntu 22.0...

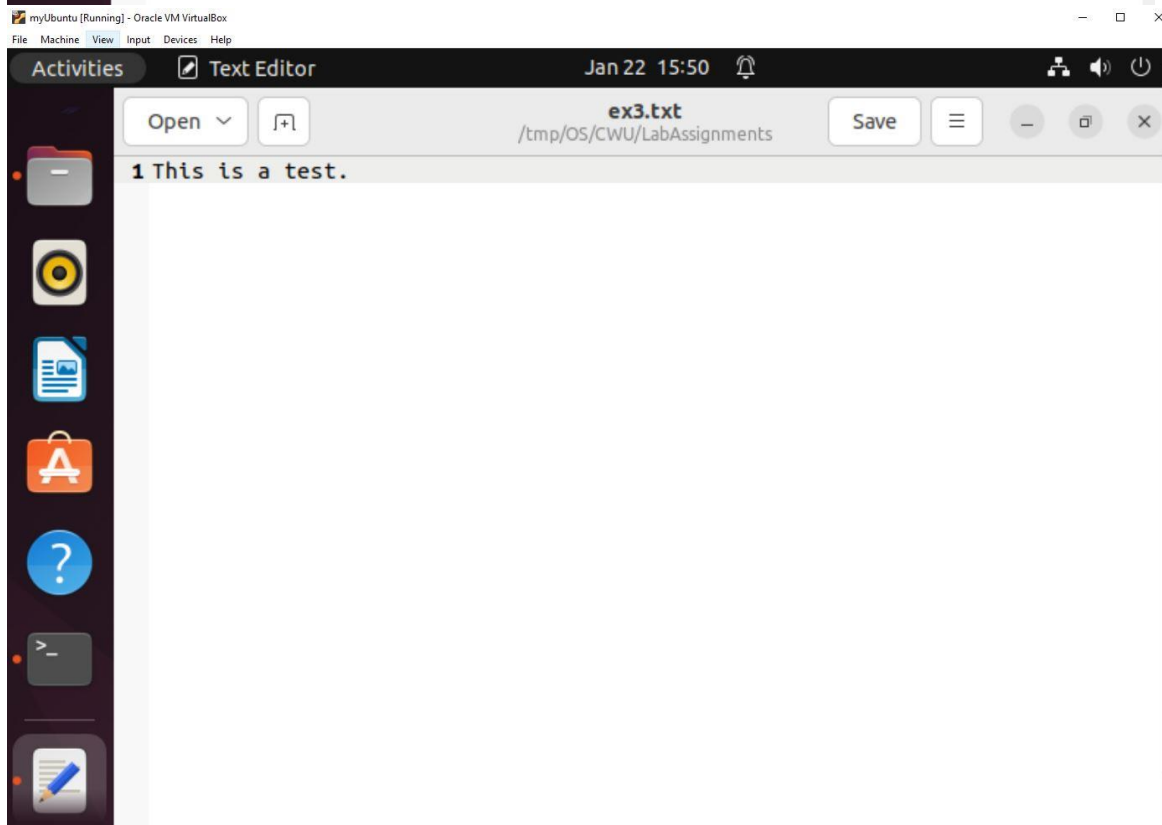
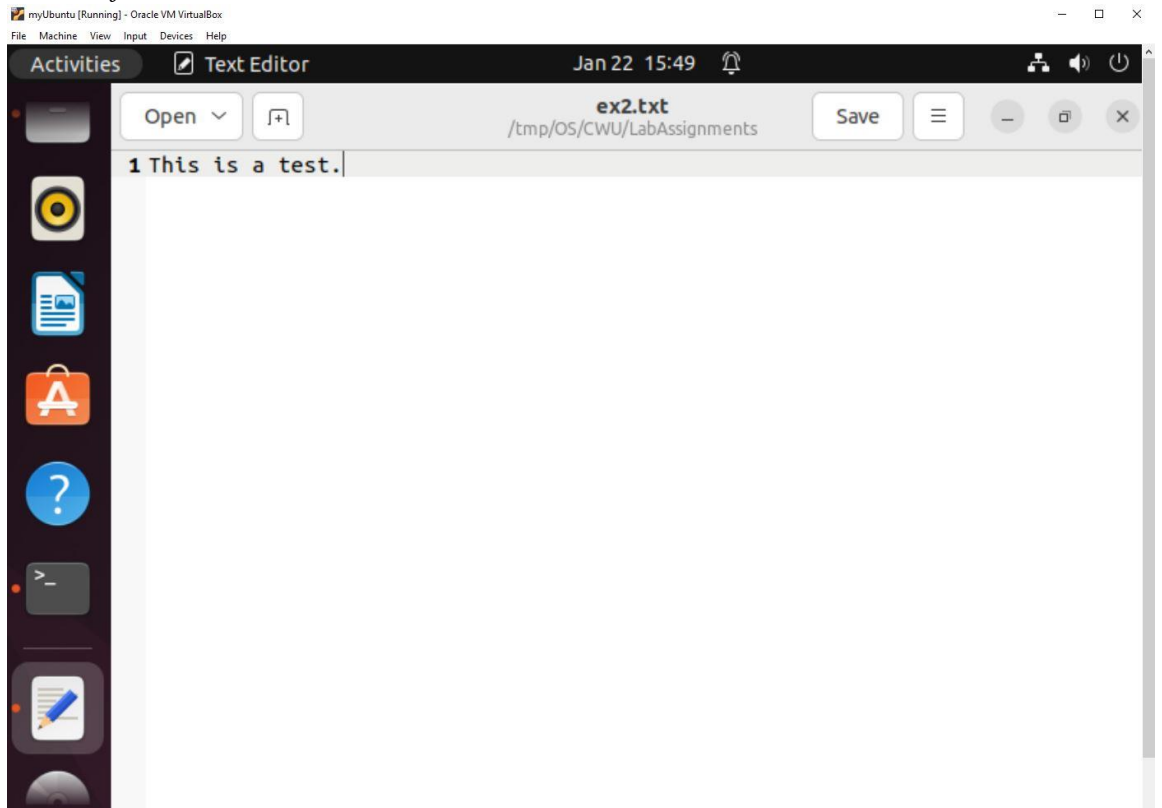
6. Create two folders called *directory1* and *directory2* in */tmp/OS/CWU/LabAssignments*



7. Create two files with touch called *ex2.txt* and *ex3.txt*

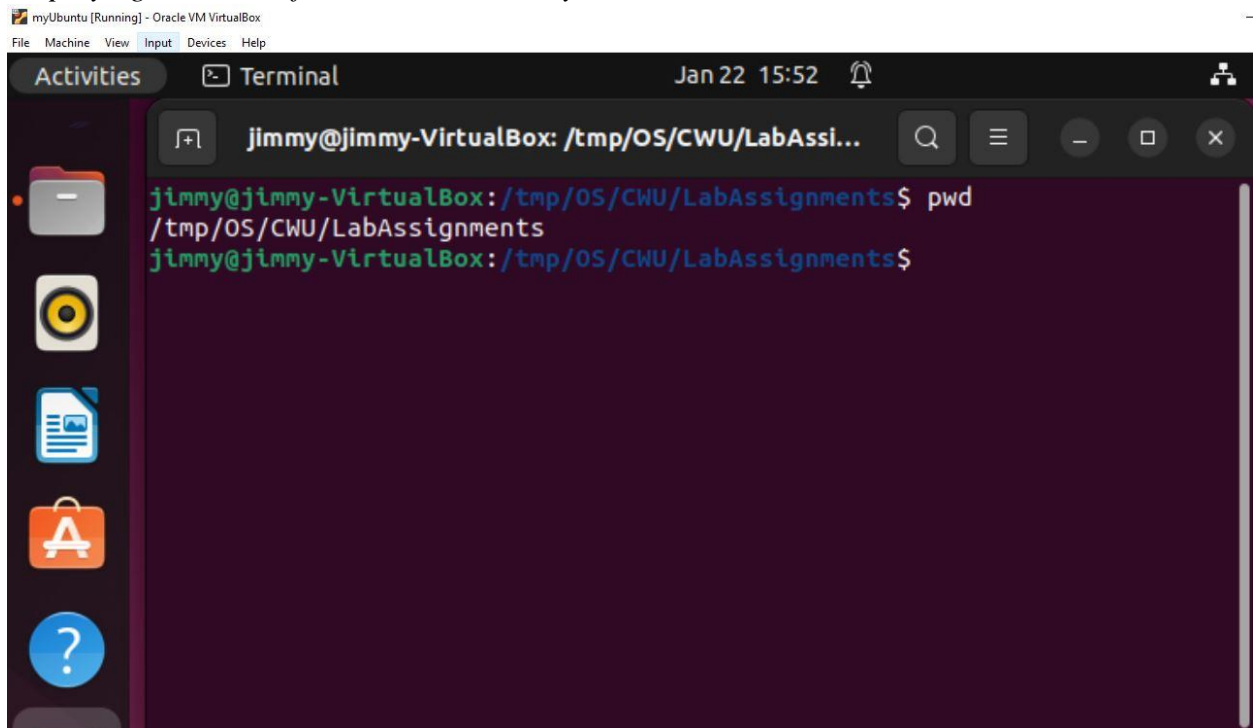


8. *Edit the files `ex2.txt` and `ex3.txt` to contain “This is a test.”*





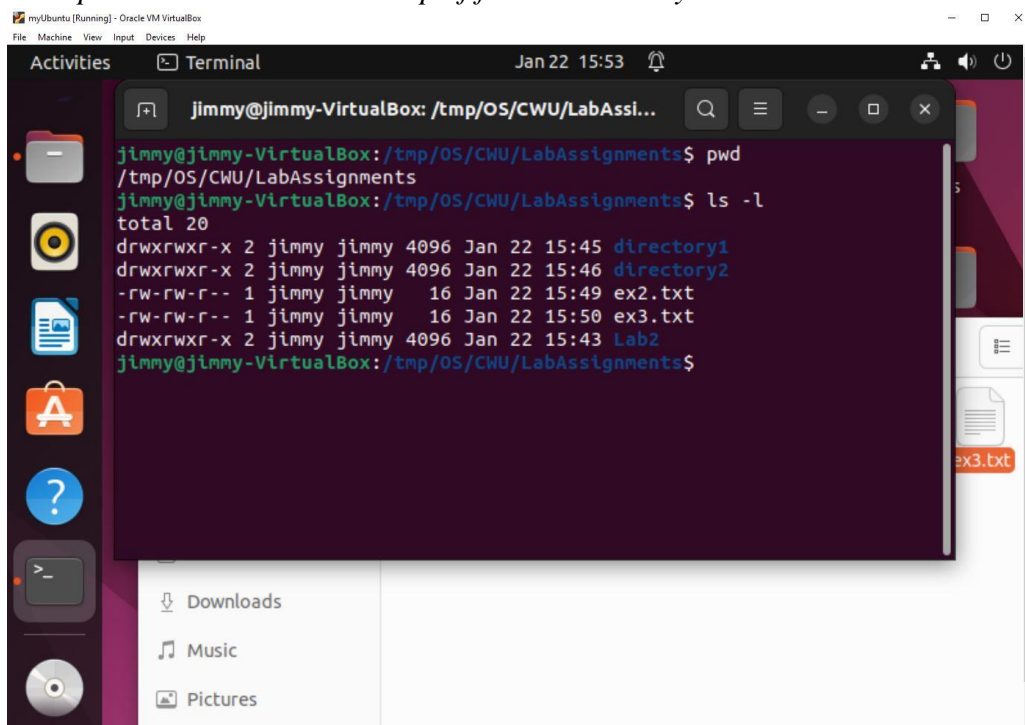
9. *Displaying the name of the current directory command*



A screenshot of a terminal window titled "Terminal" with a subtitle "myUbuntu [Running] - Oracle VM VirtualBox". The window shows the user "jimmy" at the prompt "jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...". The user enters the command "pwd", and the terminal outputs "/tmp/OS/CWU/LabAssignments". The prompt then returns to "jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments\$".

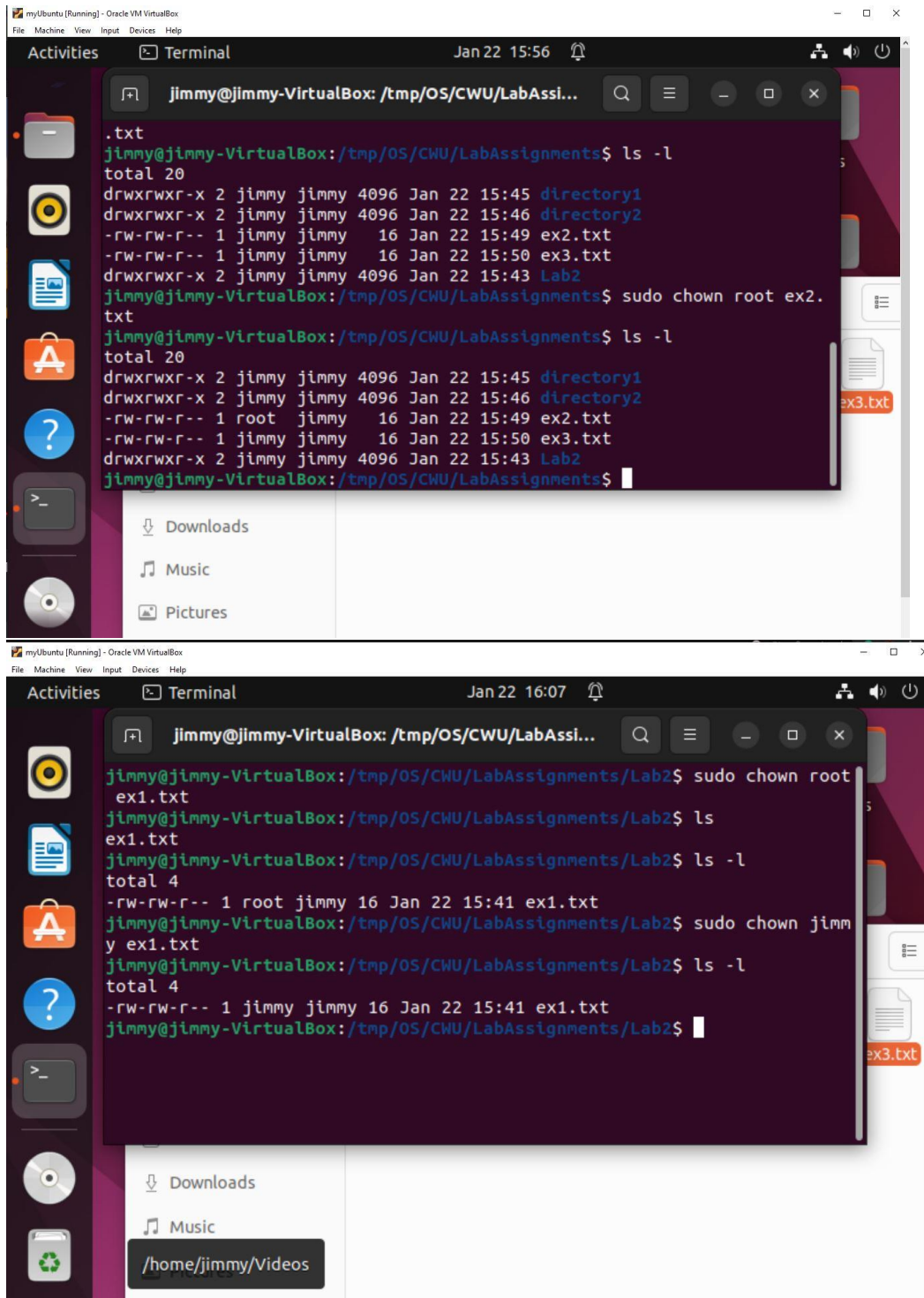
```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...$ pwd
/tmp/OS/CWU/LabAssignments
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$
```

10. *View permissions and owner ship of files in directory with ls -l*



A screenshot of a terminal window titled "Terminal" with a subtitle "myUbuntu [Running] - Oracle VM VirtualBox". The window shows the user "jimmy" at the prompt "jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...". The user enters the command "ls -l", and the terminal outputs the following information:

```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$ pwd
/tmp/OS/CWU/LabAssignments
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:45 directory1
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:46 directory2
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:49 ex2.txt
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:50 ex3.txt
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:43 Lab2
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$
```



```
myUbuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Jan 22 15:56

jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssl...

.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:45 directory1
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:46 directory2
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:49 ex2.txt
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:50 ex3.txt
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:43 Lab2
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$ sudo chown root ex2.
txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$ ls -l
total 20
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:45 directory1
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:46 directory2
-rw-rw-r-- 1 root jimmy 16 Jan 22 15:49 ex2.txt
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:50 ex3.txt
drwxrwxr-x 2 jimmy jimmy 4096 Jan 22 15:43 Lab2
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments$

Downloads
Music
Pictures

myUbuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

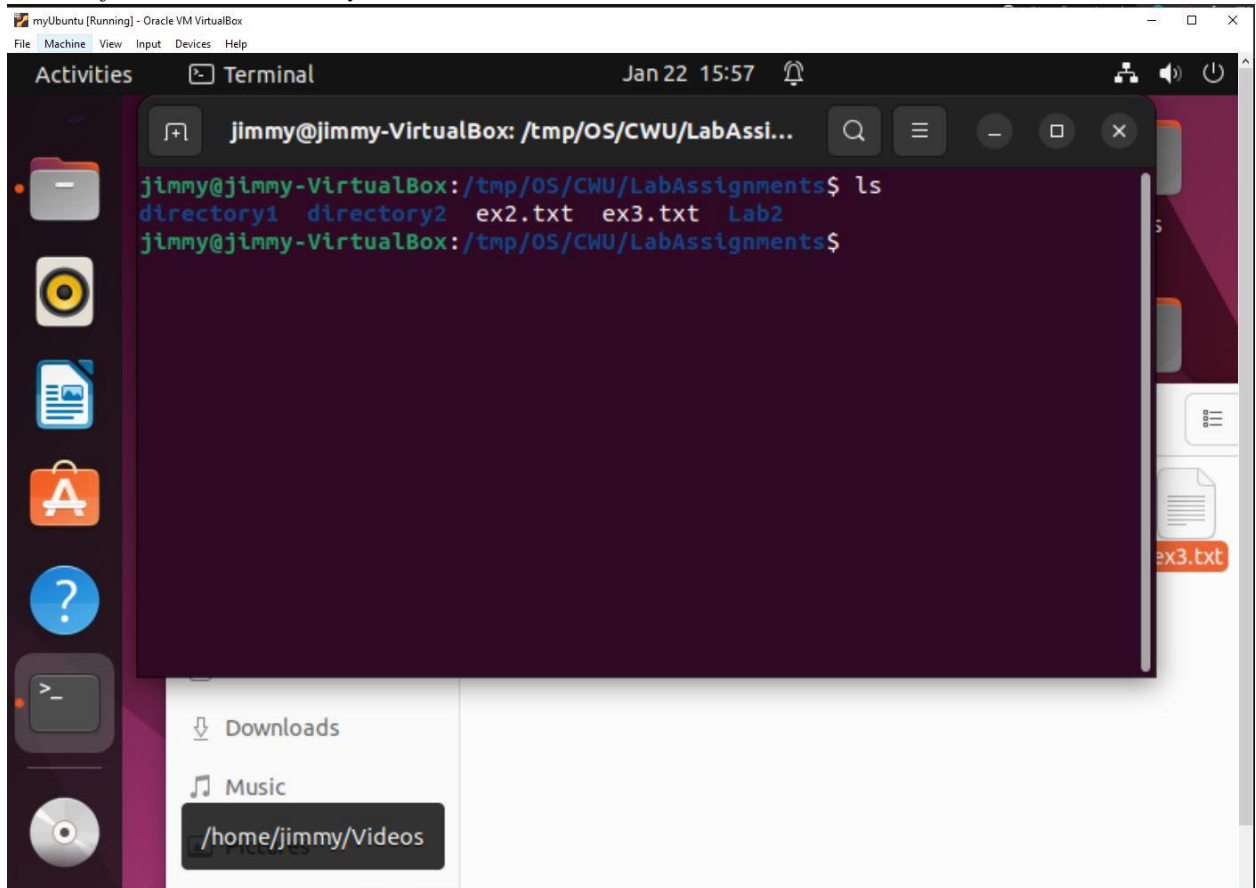
Activities Terminal Jan 22 16:07

jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssl...

jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ sudo chown root
ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls
ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 4
-rw-rw-r-- 1 root jimmy 16 Jan 22 15:41 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ sudo chown jimm
y ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 4
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:41 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$

Downloads
Music
/home/jimmy/Videos
```

11. List all files in the directory with the command *ls*

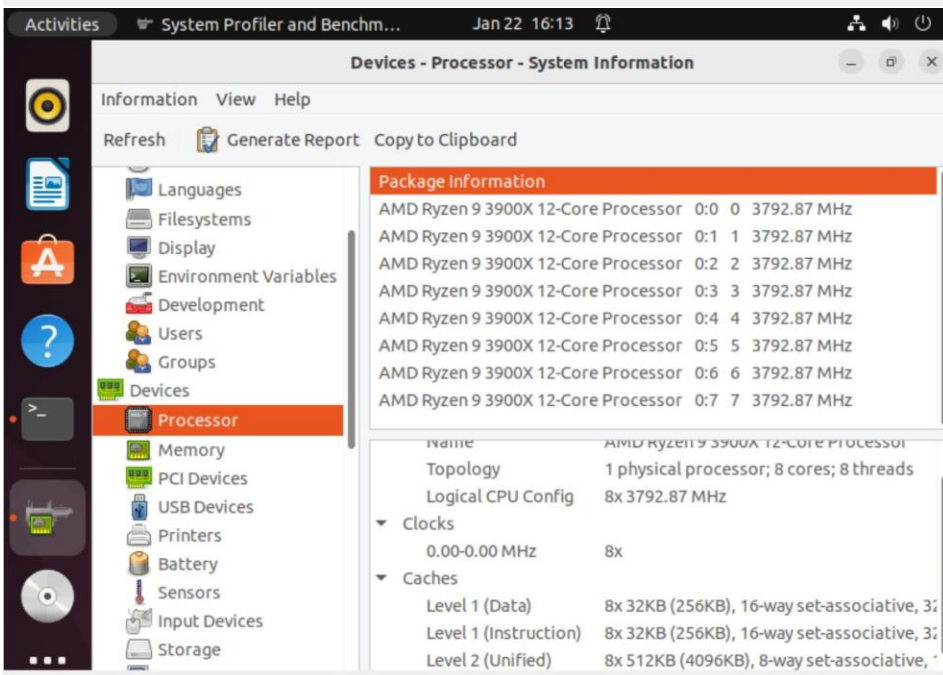
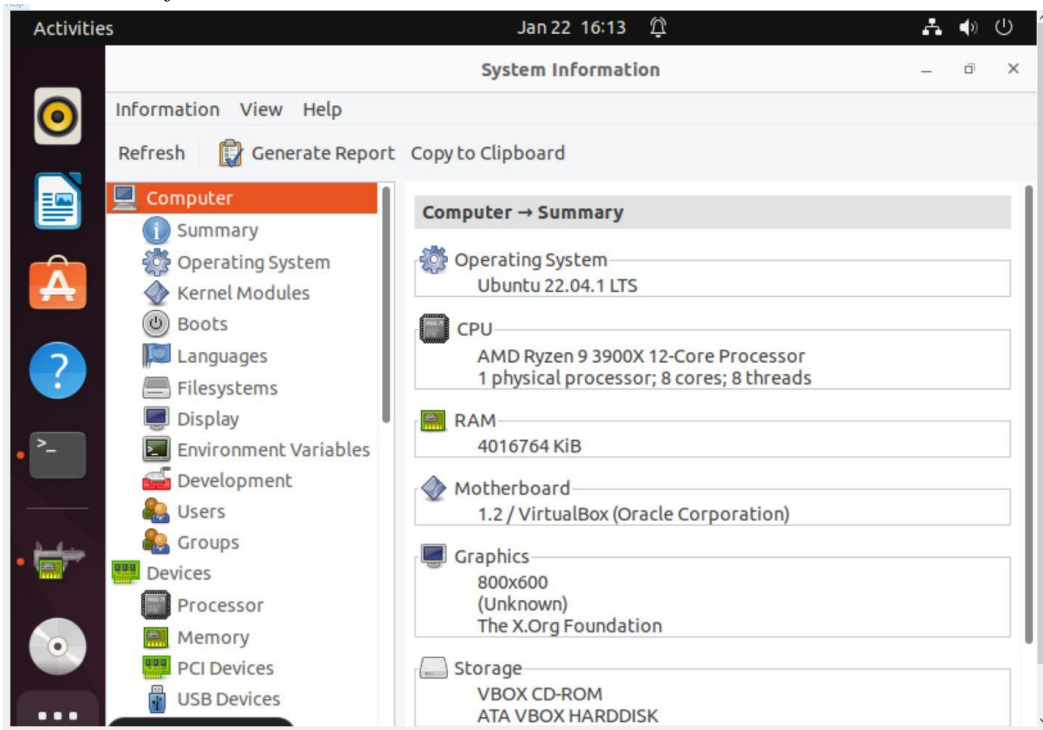


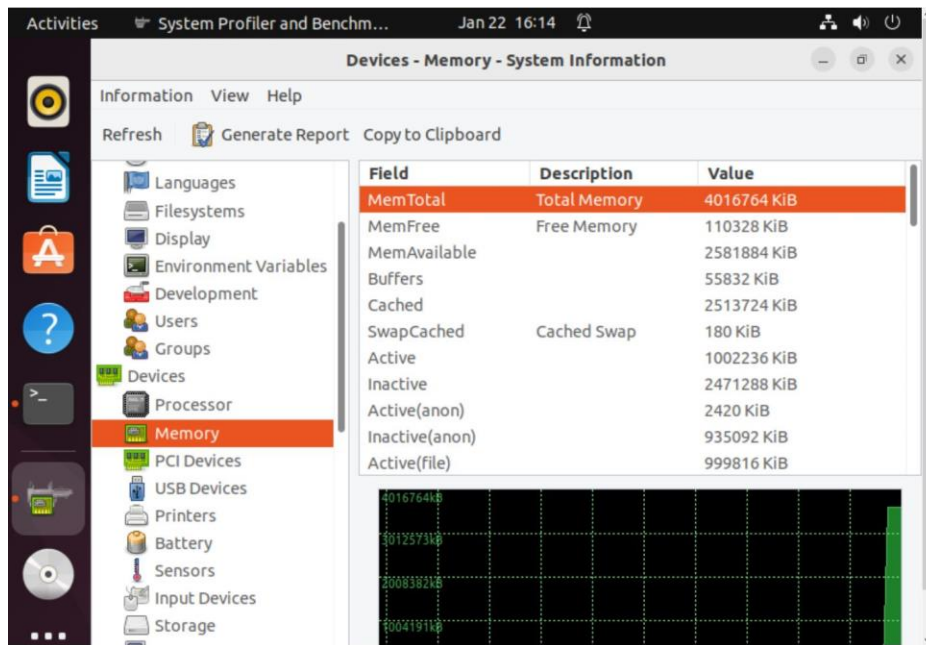
The screenshot shows a terminal window titled "Terminal" with the prompt "jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...". The user has entered the command `ls` in the terminal. The output of the command is displayed on the next line: `directory1 directory2 ex2.txt ex3.txt Lab2`. The terminal window is part of a larger application window titled "myUbuntu [Running] - Oracle VM VirtualBox". The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". The terminal window also has a title bar with standard window controls (minimize, maximize, close) and a search icon. The background of the terminal window is dark purple. The overall interface is a desktop environment with a sidebar on the left containing icons for "Activities", "Terminal", "Files", "Music", and "Videos". The "Files" icon is highlighted, and a file named "ex3.txt" is visible in the sidebar.

```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssi...  
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$ ls  
directory1 directory2 ex2.txt ex3.txt Lab2  
jimmy@jimmy-VirtualBox:/tmp/OS/CWU/LabAssignments$
```

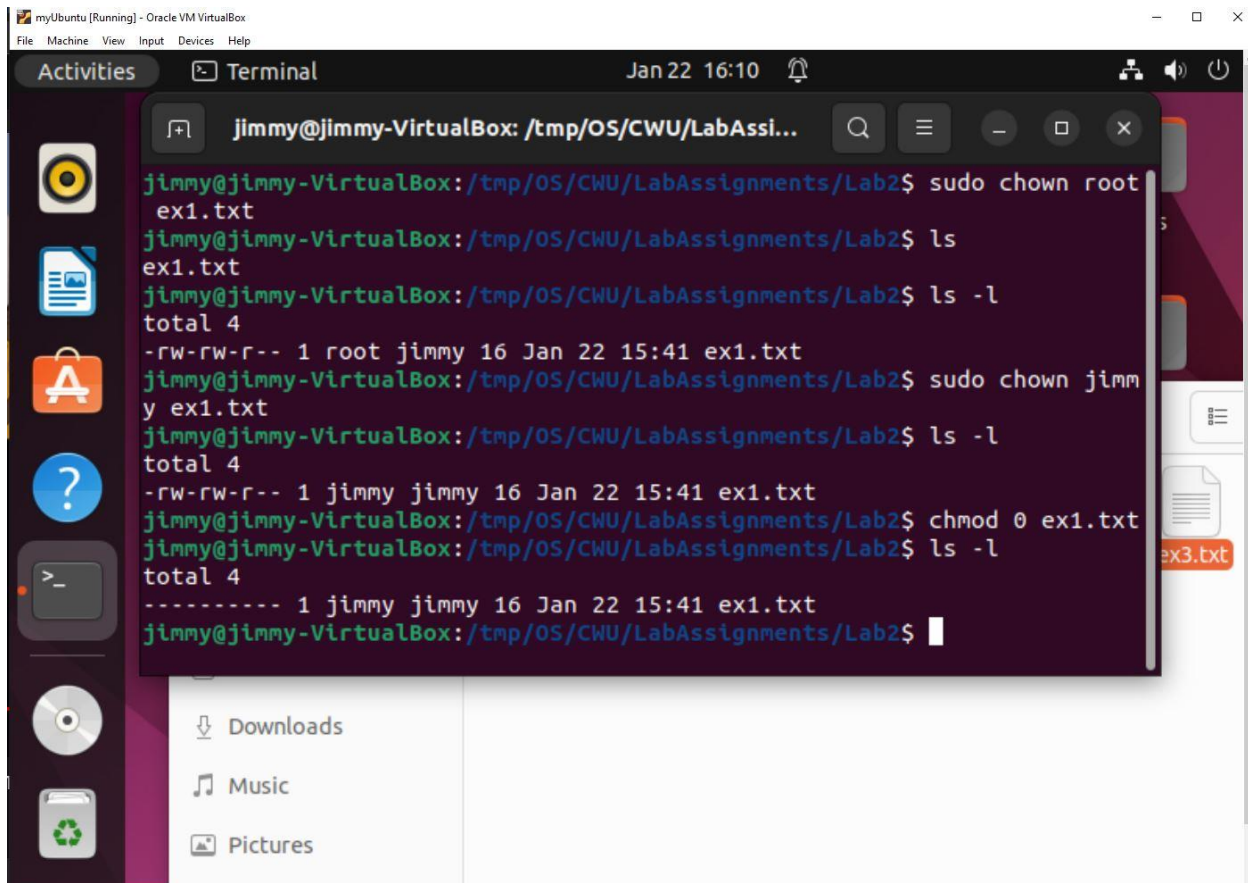


## 12. Hardware Info Screenshots





13. Remove the user read write and execute permission from ex1.txt



myUbuntu [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jan 22 16:10

```
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ sudo chown root ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls
ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 4
-rw-rw-r-- 1 root jimmy 16 Jan 22 15:41 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ sudo chown jimmy ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 4
-rw-rw-r-- 1 jimmy jimmy 16 Jan 22 15:41 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ chmod 0 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$ ls -l
total 4
----- 1 jimmy jimmy 16 Jan 22 15:41 ex1.txt
jimmy@jimmy-VirtualBox: /tmp/OS/CWU/LabAssignments/Lab2$
```

Downloads  
Music  
Pictures



<https://github.com/JimmyBattis/CS-OS-470-Labs>