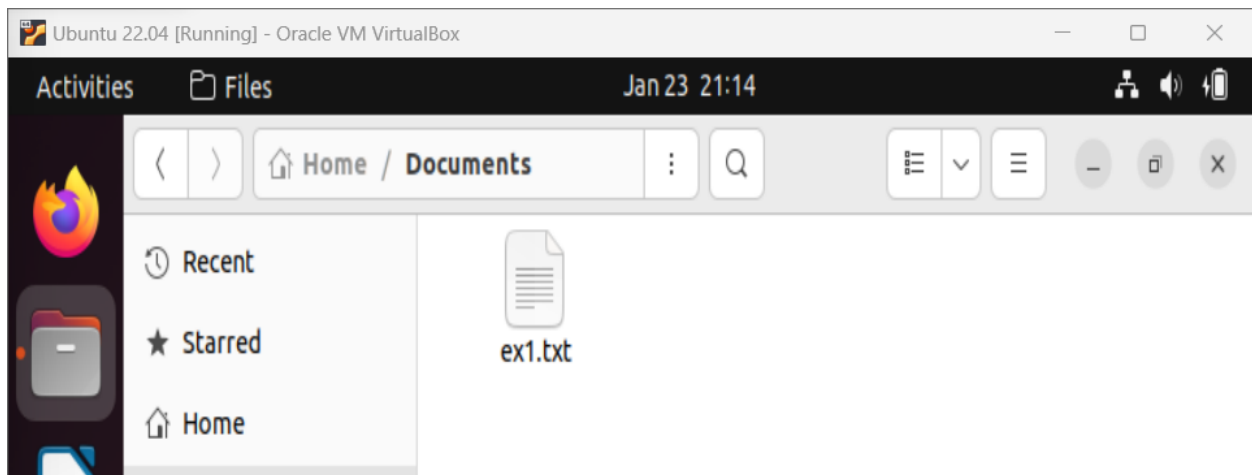


Nick Elias

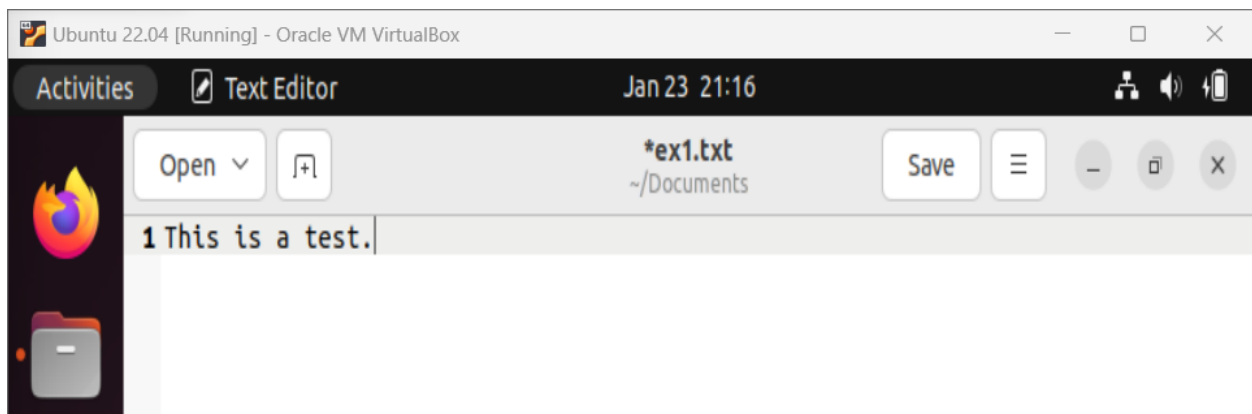
1.23.2023

CS 470 – Operating Systems

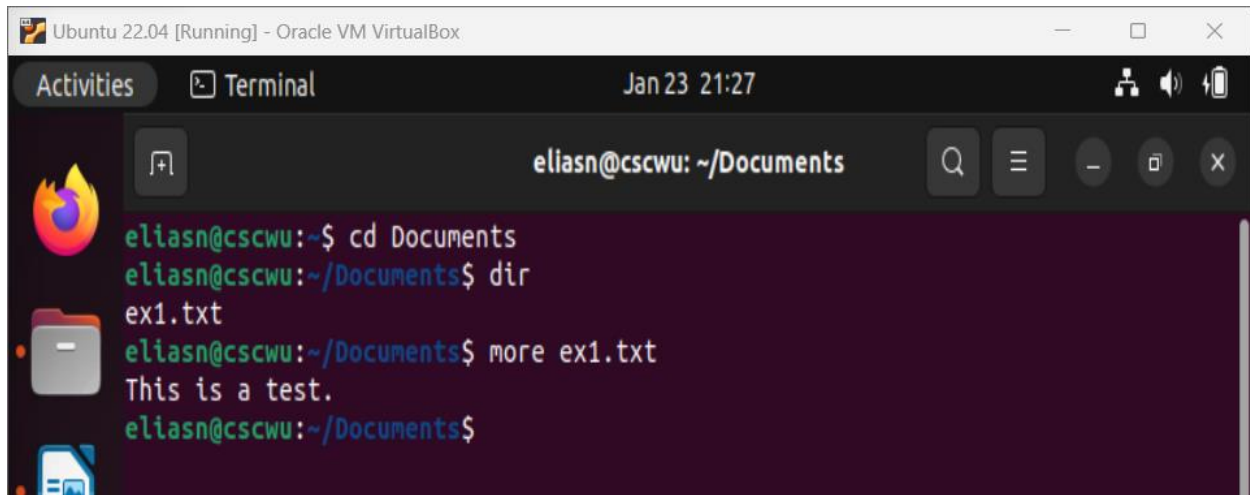
1. Create an empty file called ex1.txt.



2. Open the existing file "ex1.txt" for editing and type, "This is a test."

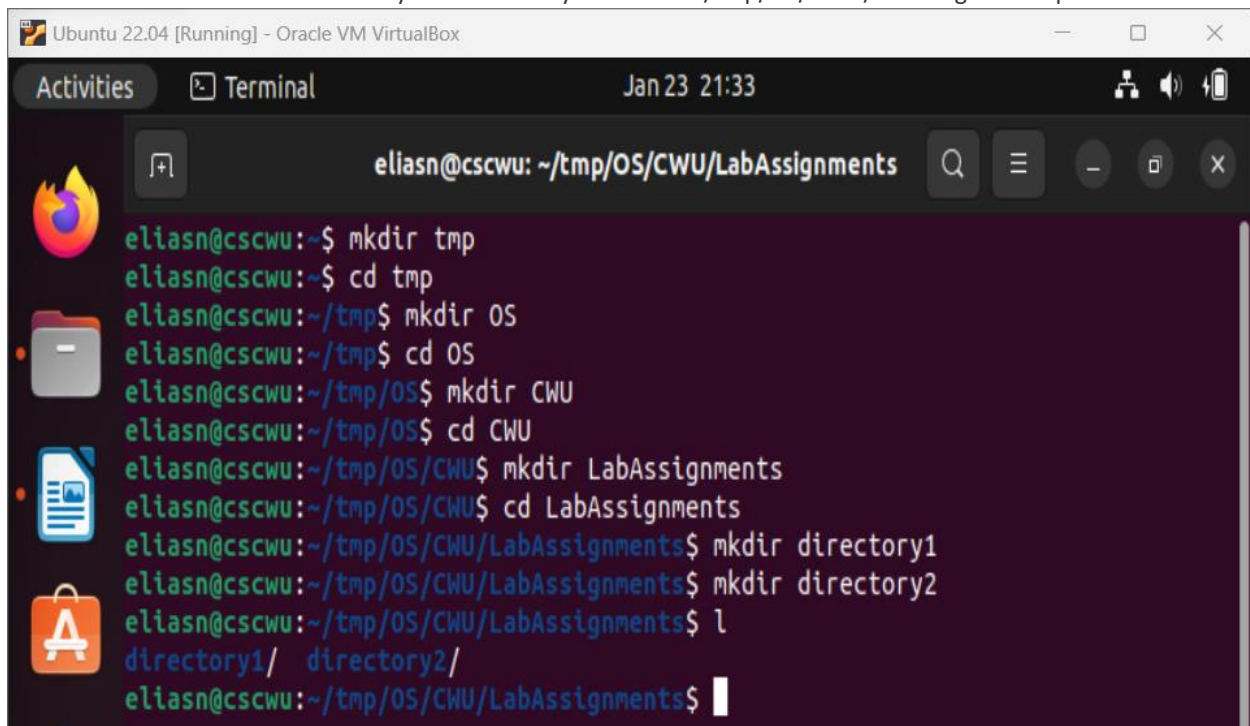


3. Use a command to see if the file ex1.txt was created and use another command to look at the file's content.

A terminal window titled 'Ubuntu 22.04 [Running] - Oracle VM VirtualBox' with a timestamp of 'Jan 23 21:27'. The user 'eliasn@cscwu' is in the directory '~/Documents'. The terminal shows the following commands and output:

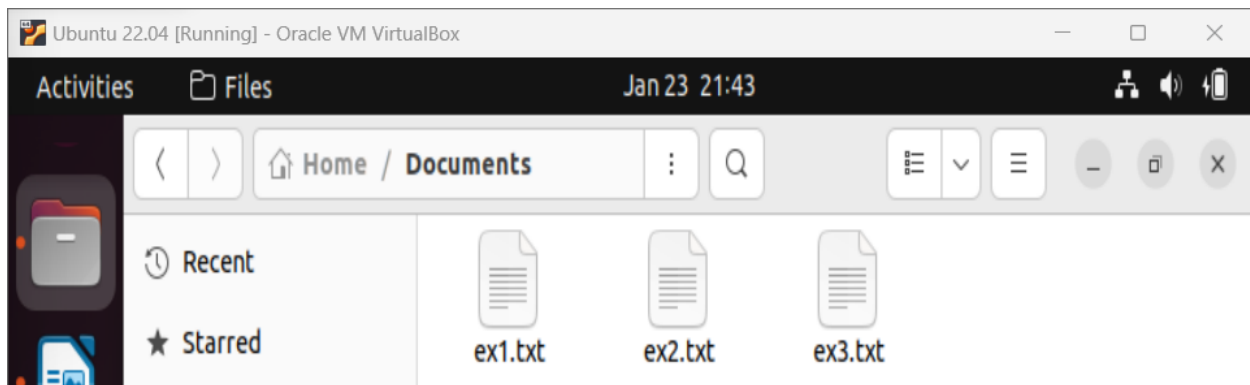
```
eliasn@cscwu:~$ cd Documents
eliasn@cscwu:~/Documents$ dir
ex1.txt
eliasn@cscwu:~/Documents$ more ex1.txt
This is a test.
eliasn@cscwu:~/Documents$
```

4. Create two folders called directory1 and directory2 inside the /tmp/OS/CWU/LabAssignments path.

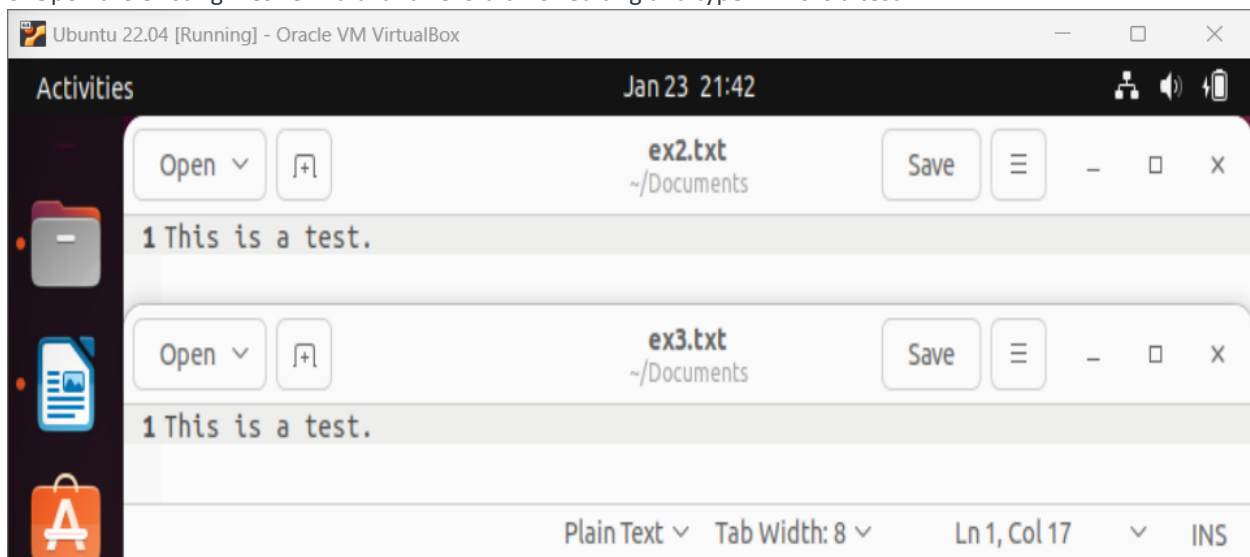
A terminal window titled 'Ubuntu 22.04 [Running] - Oracle VM VirtualBox' with a timestamp of 'Jan 23 21:33'. The user 'eliasn@cscwu' is in the directory '~/tmp/OS/CWU/LabAssignments'. The terminal shows the following commands and output:

```
eliasn@cscwu:~$ mkdir tmp
eliasn@cscwu:~$ cd tmp
eliasn@cscwu:~/tmp$ mkdir OS
eliasn@cscwu:~/tmp$ cd OS
eliasn@cscwu:~/tmp/OS$ mkdir CWU
eliasn@cscwu:~/tmp/OS$ cd CWU
eliasn@cscwu:~/tmp/OS/CWU$ mkdir LabAssignments
eliasn@cscwu:~/tmp/OS/CWU$ cd LabAssignments
eliasn@cscwu:~/tmp/OS/CWU/LabAssignments$ mkdir directory1
eliasn@cscwu:~/tmp/OS/CWU/LabAssignments$ mkdir directory2
eliasn@cscwu:~/tmp/OS/CWU/LabAssignments$ l
directory1/  directory2/
eliasn@cscwu:~/tmp/OS/CWU/LabAssignments$
```

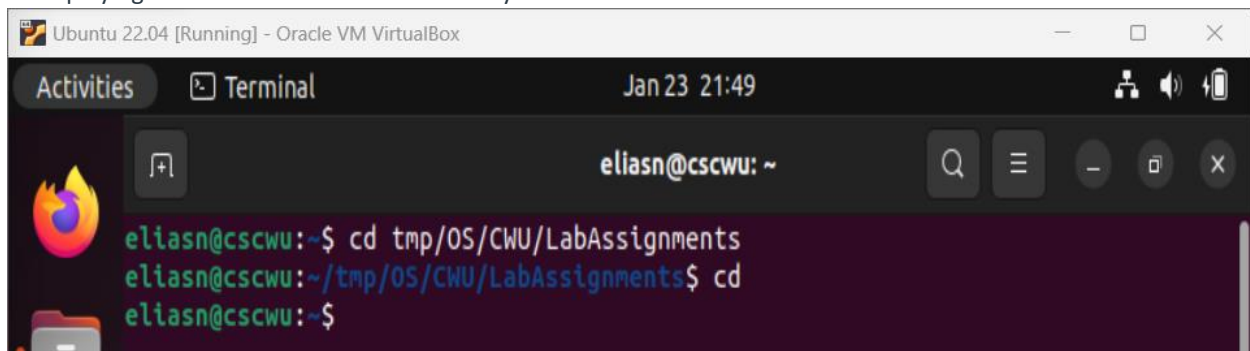
5. Create two files called ex2.txt and ex3.txt.



6. Open the existing files "ex2.txt" and "ex3.txt" for editing and type: "This is a test."

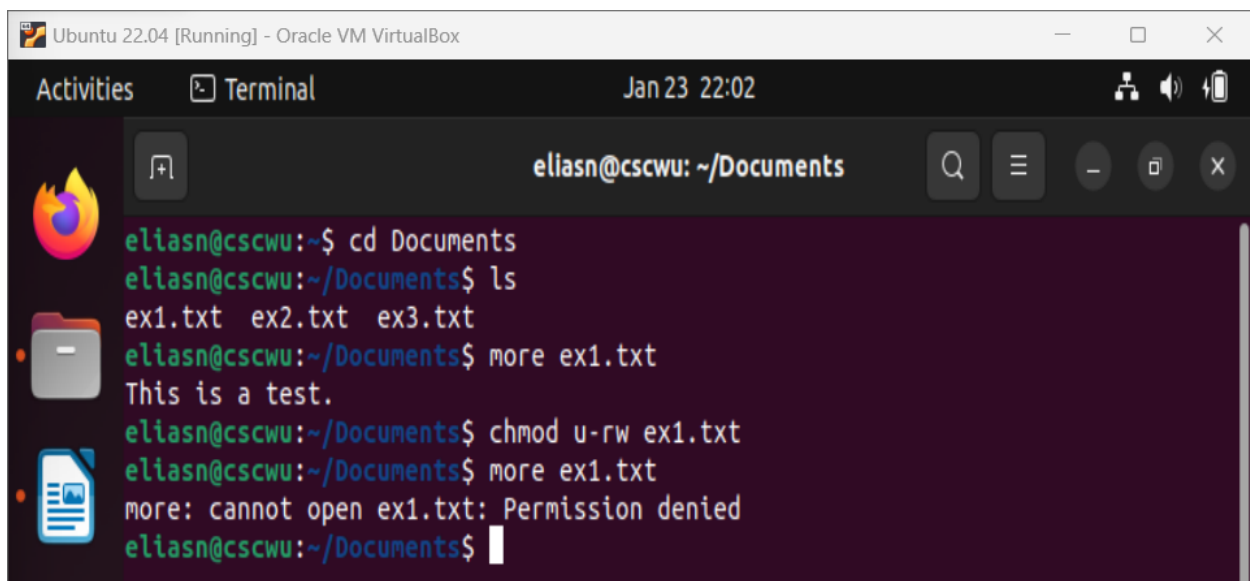


7. Displaying the name of the current directory on the screen.

A terminal window titled 'Ubuntu 22.04 [Running] - Oracle VM VirtualBox' with a dark theme. The window shows the user 'eliasn@cscwu' at the home directory '~'. The user enters 'cd tmp/OS/CWU/LabAssignments', and the prompt changes to '~ /tmp/OS/CWU/LabAssignments'. Then, the user enters 'cd', and the prompt returns to '~'.

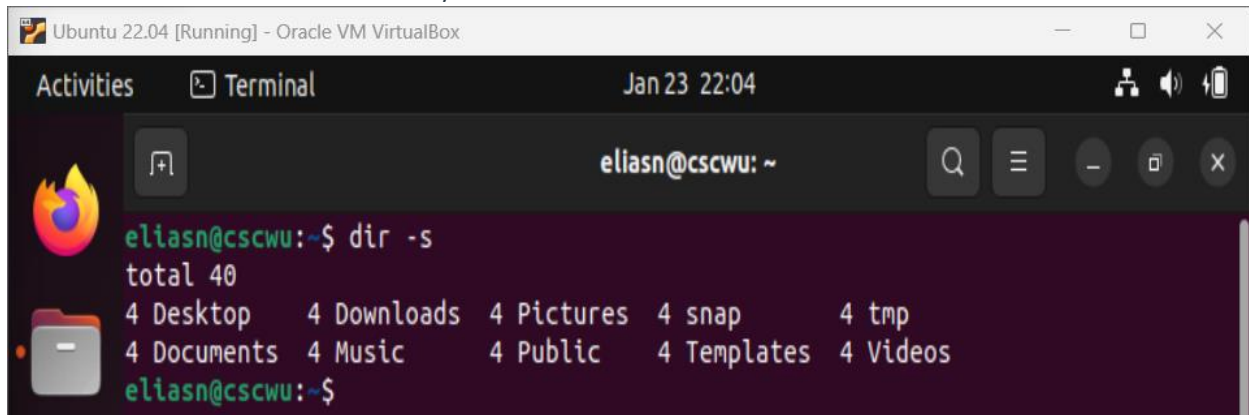
```
eliasn@cscwu:~$ cd tmp/OS/CWU/LabAssignments
eliasn@cscwu:~/tmp/OS/CWU/LabAssignments$ cd
eliasn@cscwu:~$
```

8. View the user permissions and ownership of the files in the current directory and change the ownership of some selected files to another user.

A terminal window titled 'Ubuntu 22.04 [Running] - Oracle VM VirtualBox' with a dark theme. The user 'eliasn@cscwu' is in the '~ /Documents' directory. The user enters 'cd Documents', 'ls' (listing 'ex1.txt ex2.txt ex3.txt'), and 'more ex1.txt' (displaying 'This is a test.'). Then, the user enters 'chmod u-rw ex1.txt' and 'more ex1.txt', which results in the error 'more: cannot open ex1.txt: Permission denied'.

```
eliasn@cscwu:~$ cd Documents
eliasn@cscwu:~/Documents$ ls
ex1.txt ex2.txt ex3.txt
eliasn@cscwu:~/Documents$ more ex1.txt
This is a test.
eliasn@cscwu:~/Documents$ chmod u-rw ex1.txt
eliasn@cscwu:~/Documents$ more ex1.txt
more: cannot open ex1.txt: Permission denied
eliasn@cscwu:~/Documents$
```

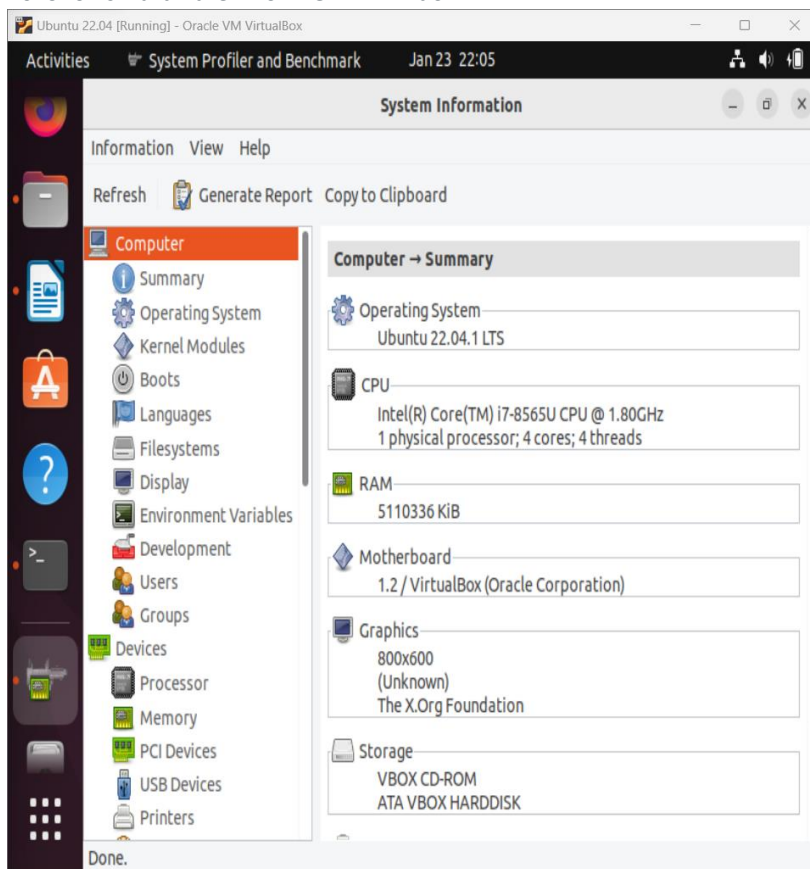
9. List all the files in the current directory and subdirectories.



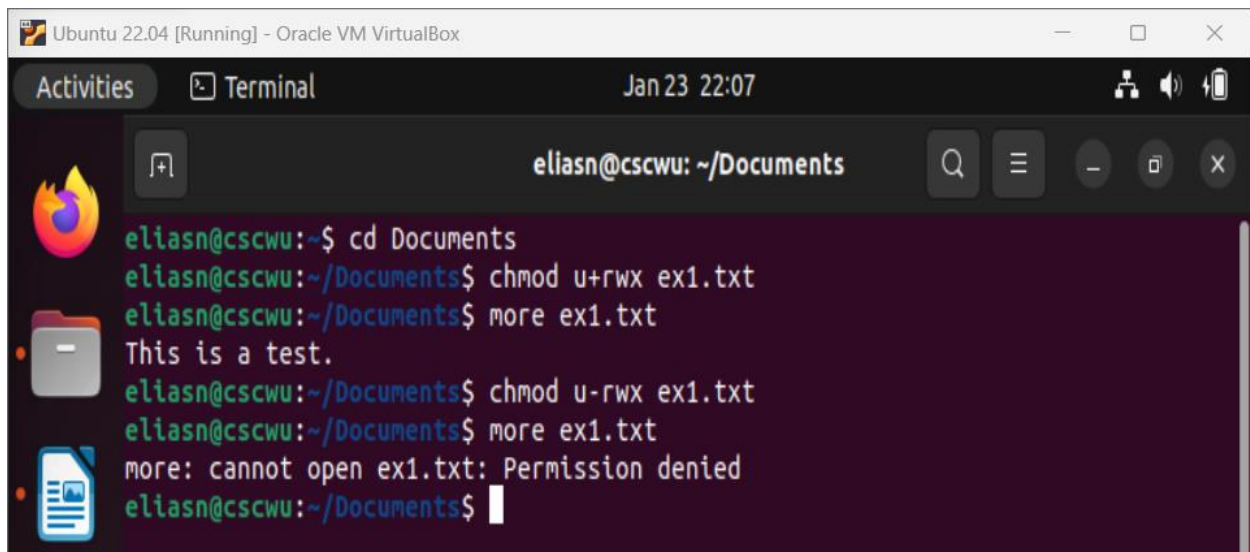
The image shows a terminal window titled "Ubuntu 22.04 [Running] - Oracle VM VirtualBox". The window has a dark theme. The terminal prompt is "eliasn@cscwu: ~". The user has entered the command "dir -s". The output is as follows:

```
eliasn@cscwu:~$ dir -s
total 40
4 Desktop    4 Downloads  4 Pictures    4 snap        4 tmp
4 Documents  4 Music      4 Public      4 Templates    4 Videos
eliasn@cscwu:~$
```

10. Shows Hardware Info in GTK+ Window.



11. Remove the user read write execute permission for the file ex1.txt.



The image shows a terminal window titled "Ubuntu 22.04 [Running] - Oracle VM VirtualBox". The window has a dark theme. The terminal prompt is "eliasn@cscwu: ~/Documents". The user enters the command "cd Documents". The prompt changes to "eliasn@cscwu:~/Documents\$". The user enters "chmod u+rw ex1.txt". The prompt changes to "eliasn@cscwu:~/Documents\$". The user enters "more ex1.txt". The output is "This is a test.". The user enters "chmod u-rwx ex1.txt". The prompt changes to "eliasn@cscwu:~/Documents\$". The user enters "more ex1.txt". The output is "more: cannot open ex1.txt: Permission denied". The user enters "eliasn@cscwu:~/Documents\$".

```
eliasn@cscwu:~$ cd Documents
eliasn@cscwu:~/Documents$ chmod u+rw ex1.txt
eliasn@cscwu:~/Documents$ more ex1.txt
This is a test.
eliasn@cscwu:~/Documents$ chmod u-rwx ex1.txt
eliasn@cscwu:~/Documents$ more ex1.txt
more: cannot open ex1.txt: Permission denied
eliasn@cscwu:~/Documents$
```