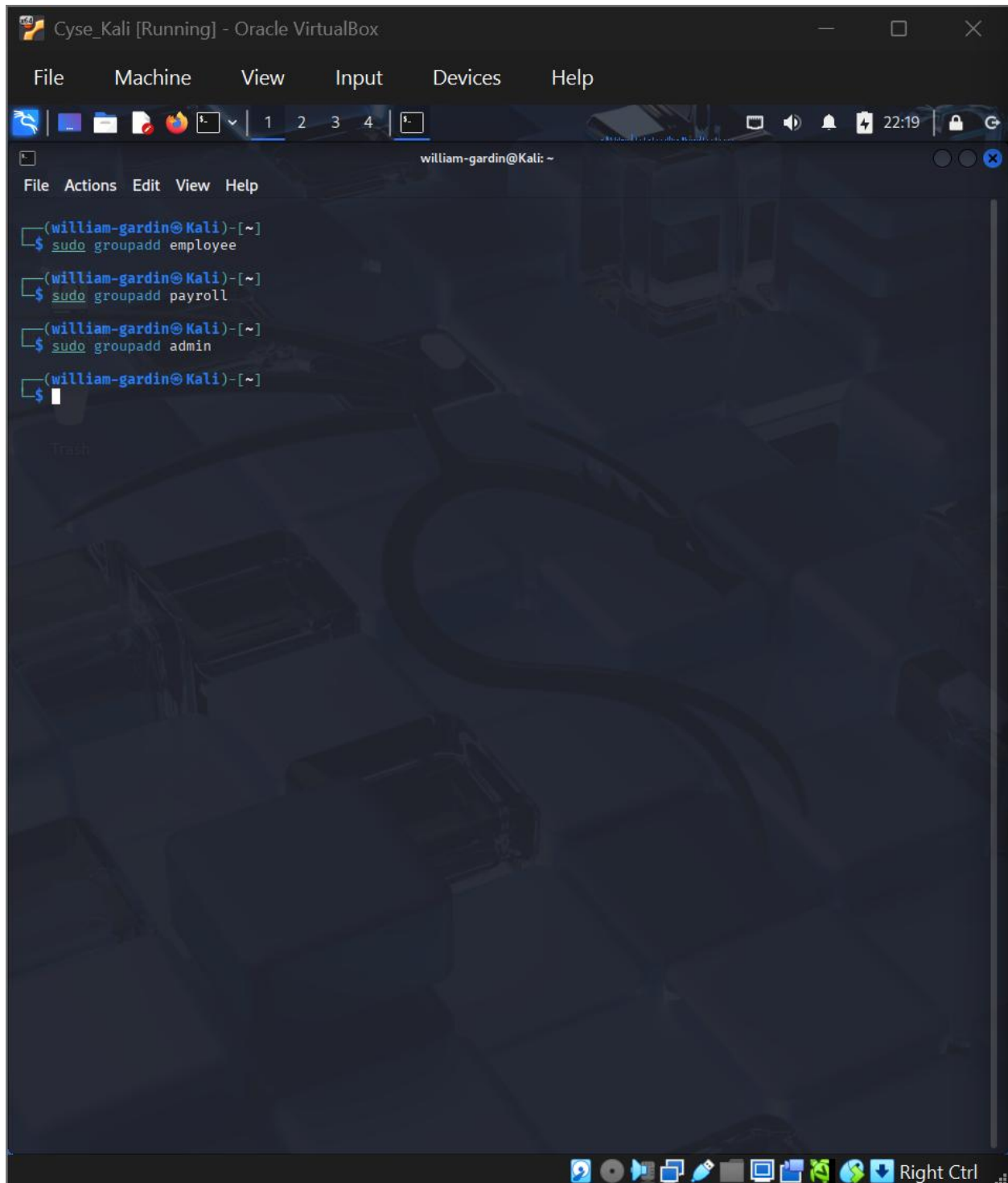


Task A

1.



2.

Cyse_Kali [Running] - Oracle VirtualBox

File Machine View Input Devices Help

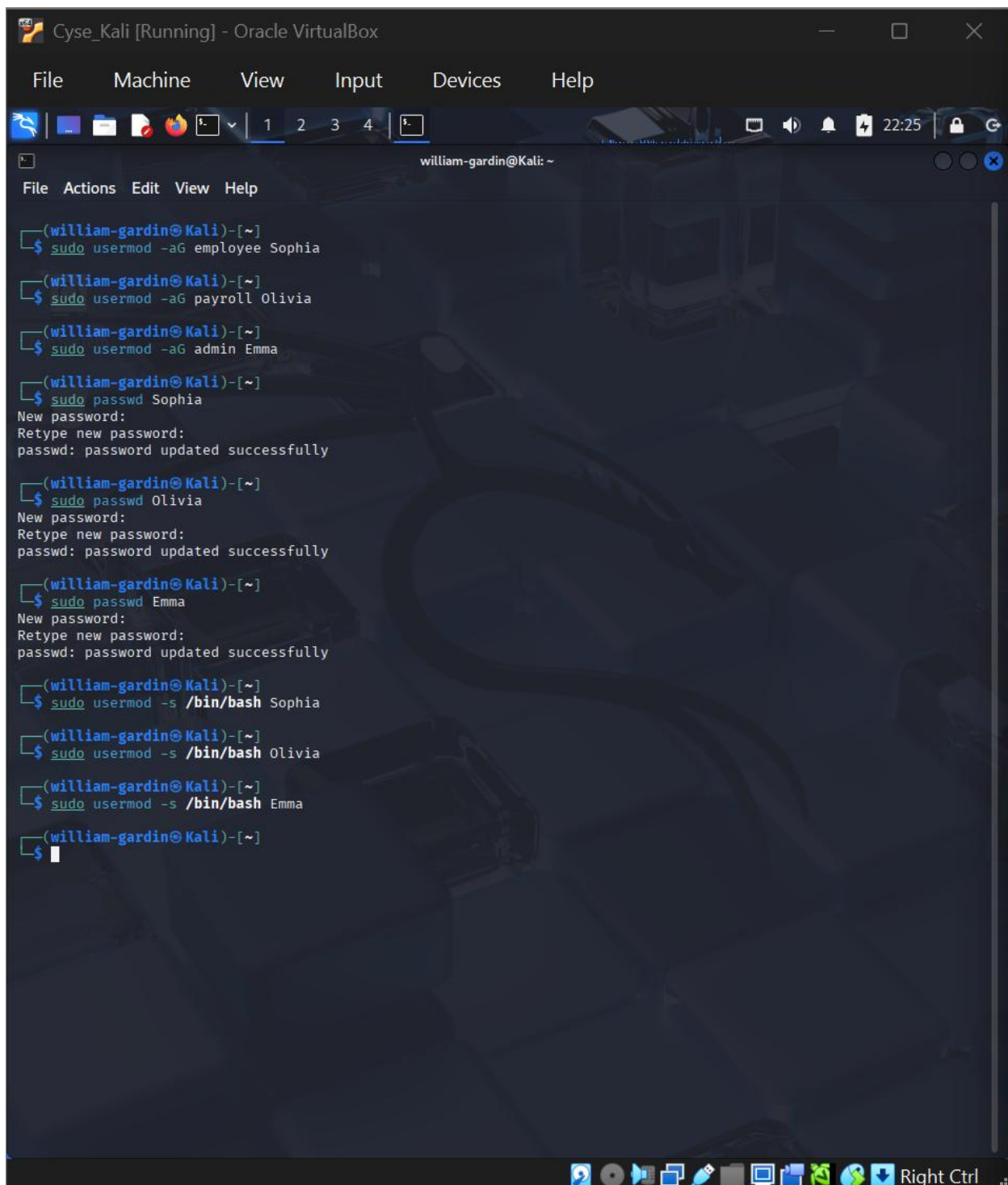
1 2 3 4

william-gardin@Kali: ~

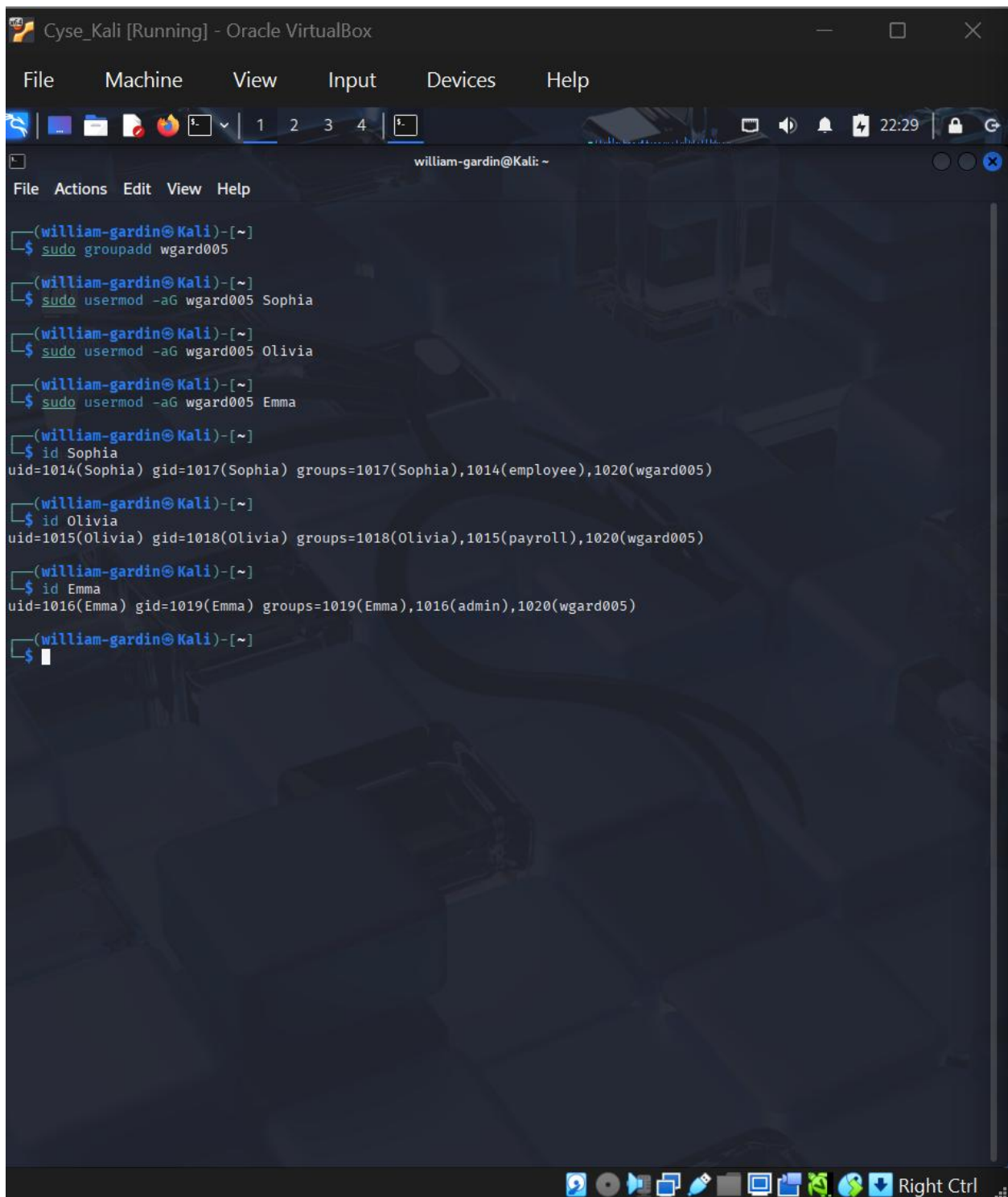
File Actions Edit View Help

```
(william-gardin@Kali)-[~]  
$ sudo useradd -m -k /etc/skel/ Sophia  
(william-gardin@Kali)-[~]  
$ sudo useradd -m -k /etc/skel/ Olivia  
(william-gardin@Kali)-[~]  
$ sudo useradd -m -k /etc/skel/ Emma  
(william-gardin@Kali)-[~]  
$
```

Right Ctrl



3.



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

1 2 3 4 5

william-gardin@Kali: ~
File Actions Edit View Help

(william-gardin@Kali)-[~]
$ sudo groupadd wgard005

(william-gardin@Kali)-[~]
$ sudo usermod -aG wgard005 Sophia

(william-gardin@Kali)-[~]
$ sudo usermod -aG wgard005 Olivia

(william-gardin@Kali)-[~]
$ sudo usermod -aG wgard005 Emma

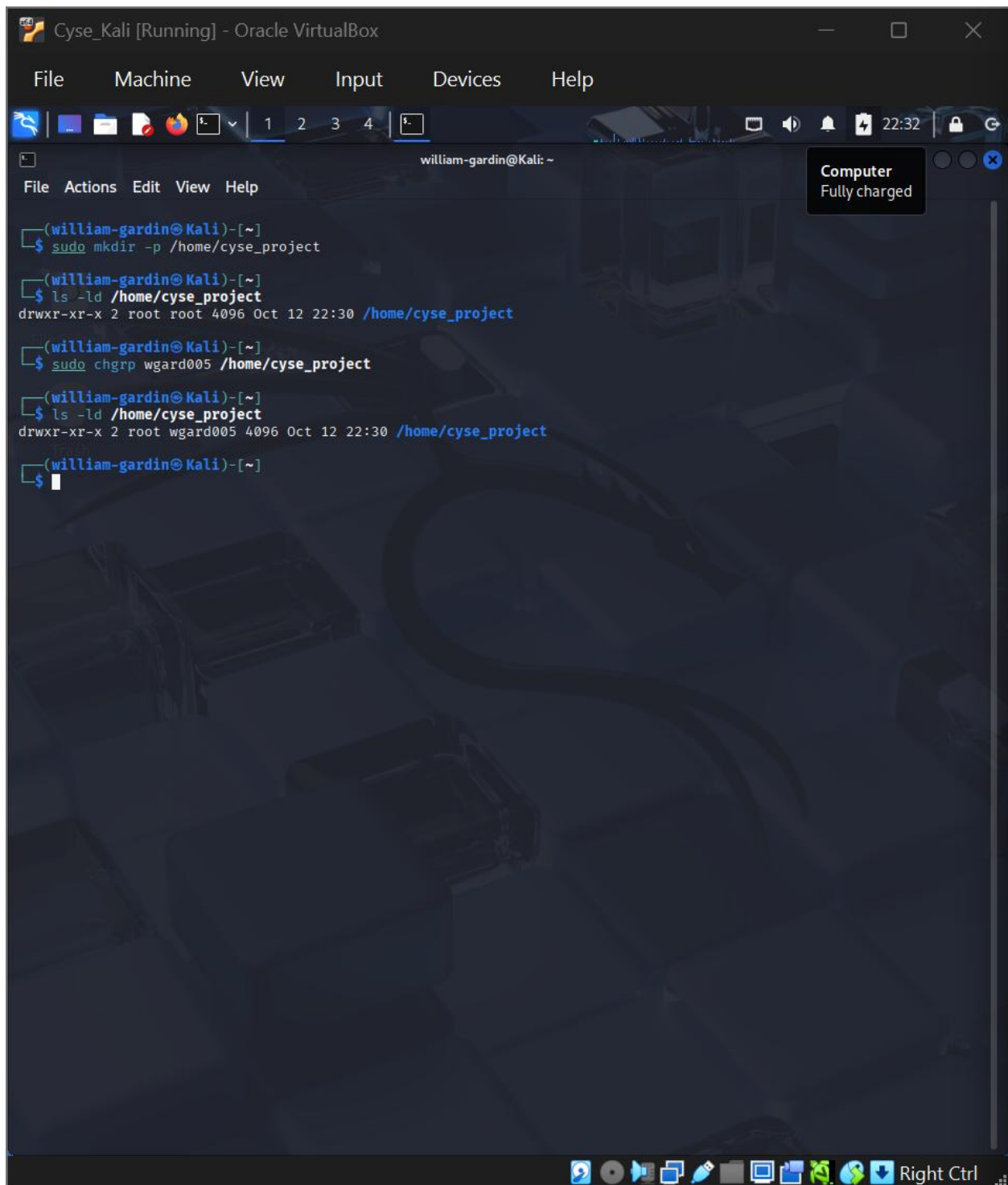
(william-gardin@Kali)-[~]
$ id Sophia
uid=1014(Sophia) gid=1017(Sophia) groups=1017(Sophia),1014(employee),1020(wgard005)

(william-gardin@Kali)-[~]
$ id Olivia
uid=1015(Olivia) gid=1018(Olivia) groups=1018(Olivia),1015(payroll),1020(wgard005)

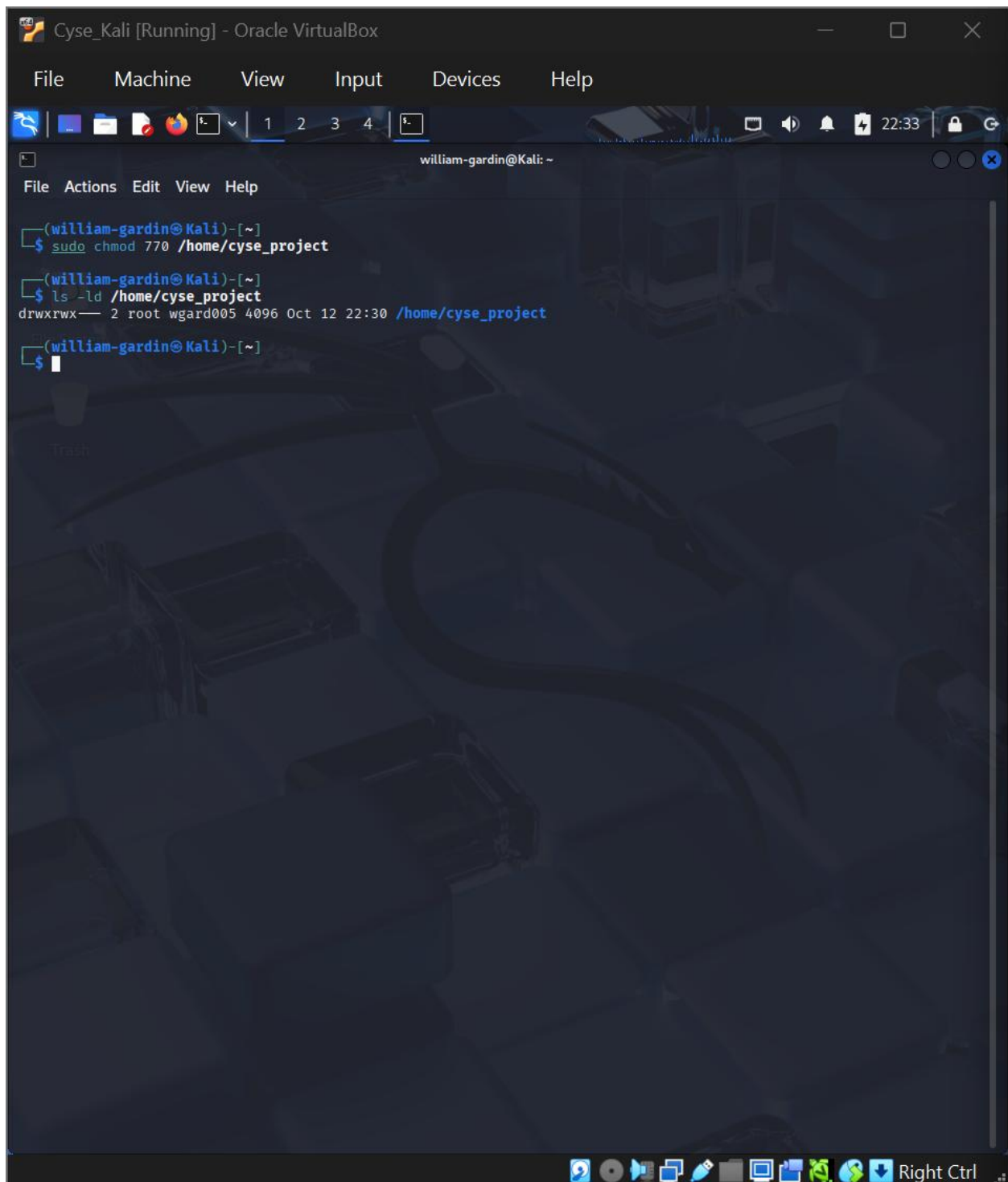
(william-gardin@Kali)-[~]
$ id Emma
uid=1016(Emma) gid=1019(Emma) groups=1019(Emma),1016(admin),1020(wgard005)

(william-gardin@Kali)-[~]
$
```

4.



5.



6.

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

Sophia@Kali: /home/william-gardin
File Actions Edit View Help

(william-gardin@Kali)-[~]
$ sudo su Sophia
(Sophia@Kali)-[/home/william-gardin]
$ umask
0002

(Sophia@Kali)-[/home/william-gardin]
$ umask 640

(Sophia@Kali)-[/home/william-gardin]
$ ls -ld
ls: cannot access '.': Permission denied

(Sophia@Kali)-[/home/william-gardin]
$ umask -S
u=x,g=wx,o=rwx

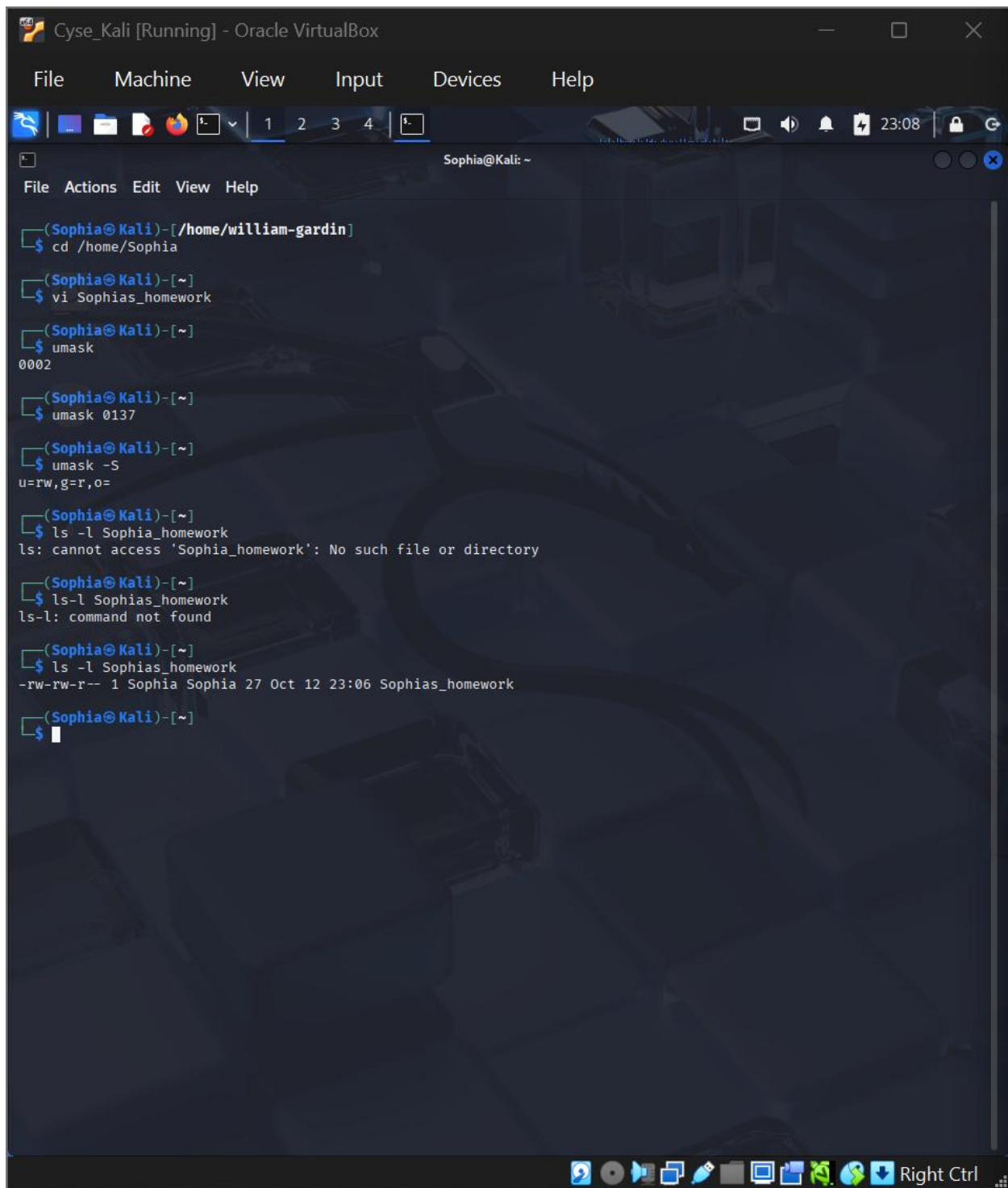
(Sophia@Kali)-[/home/william-gardin]
$ umask 137

(Sophia@Kali)-[/home/william-gardin]
$ umask -S
u=rw,g=r,o=

(Sophia@Kali)-[/home/william-gardin]
$ umask
0137

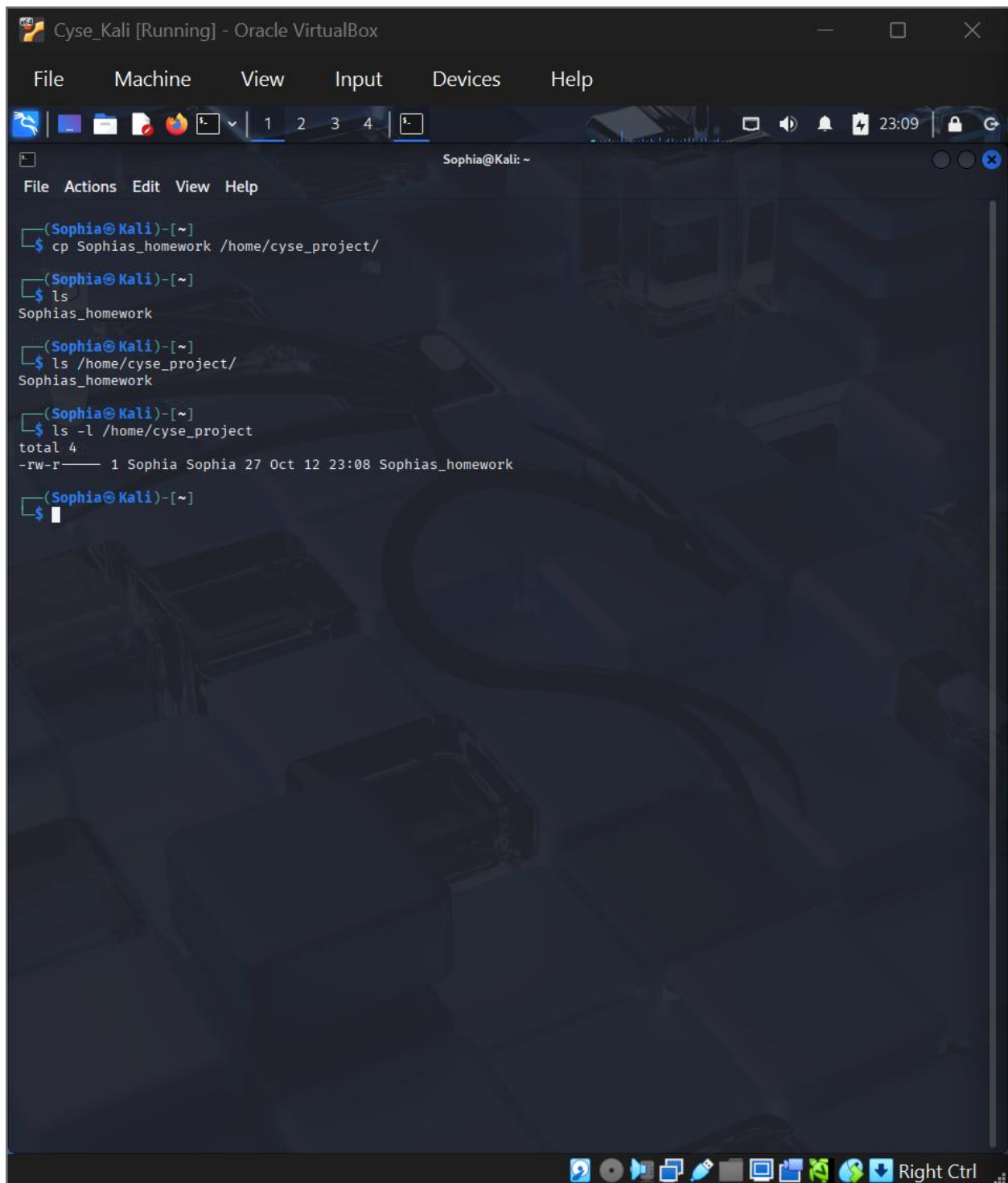
(Sophia@Kali)-[/home/william-gardin]
$
```

7.



```
Cyse_Kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Sophia@Kali: ~
File Actions Edit View Help
(Sophia@Kali)-[/home/william-gardin]
$ cd /home/Sophia
(Sophia@Kali)-[~]
$ vi Sophias_homework
(Sophia@Kali)-[~]
$ umask
0002
(Sophia@Kali)-[~]
$ umask 0137
(Sophia@Kali)-[~]
$ umask -S
u=rw,g=r,o=
(Sophia@Kali)-[~]
$ ls -l Sophia_homework
ls: cannot access 'Sophia_homework': No such file or directory
(Sophia@Kali)-[~]
$ ls-l Sophias_homework
ls-l: command not found
(Sophia@Kali)-[~]
$ ls -l Sophias_homework
-rw-rw-r-- 1 Sophia Sophia 27 Oct 12 23:06 Sophias_homework
(Sophia@Kali)-[~]
$
```

8.



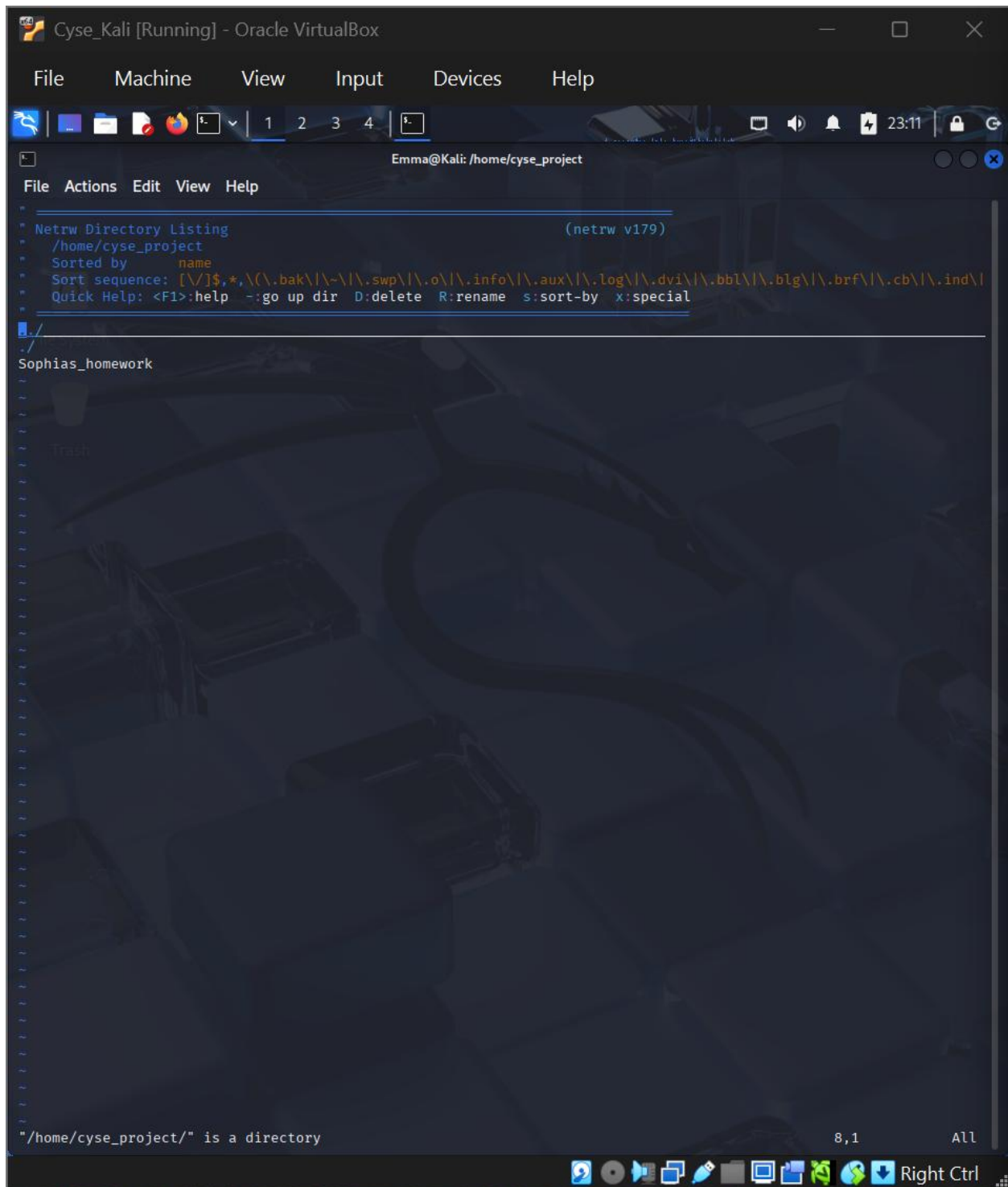
```
Cyse_Kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Sophia@Kali: ~
File Actions Edit View Help
(Sophia@Kali)-[~]
$ cp Sophias_homework /home/cyse_project/
(Sophia@Kali)-[~]
$ ls
Sophias_homework
(Sophia@Kali)-[~]
$ ls /home/cyse_project/
Sophias_homework
(Sophia@Kali)-[~]
$ ls -l /home/cyse_project
total 4
-rw-r--r-- 1 Sophia Sophia 27 Oct 12 23:08 Sophias_homework
(Sophia@Kali)-[~]
$
```

9.

The screenshot shows a Kali Linux virtual machine running in Oracle VM VirtualBox. The window title is "Cyse_Kali [Running] - Oracle VirtualBox". The menu bar includes "File", "Machine", "View", "Input", "Devices", and "Help". The toolbar shows various icons for file operations and system settings, along with a clock displaying "23:11". The terminal window has a title bar "Emma@Kali: /home/cyse_project" and a menu bar "File Actions Edit View Help". The terminal output is as follows:

```
(Sophia@Kali)-[~]  
$ su william-gardin  
Password:  
(william-gardin@Kali)-[/home/Sophia]  
$ sudo su Emma  
[sudo] password for william-gardin:  
(Emma@Kali)-[/home/Sophia]  
$ cd /home/cyse_project/  
  
(Emma@Kali)-[/home/cyse_project]  
$ vi /home/cyse_project/  
  
(Emma@Kali)-[/home/cyse_project]  
$
```

The background of the terminal window features a dark, abstract image of a computer keyboard. The bottom of the screen shows the VirtualBox taskbar with icons for the host OS and a "Right Ctrl" button.



Task B

1.

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

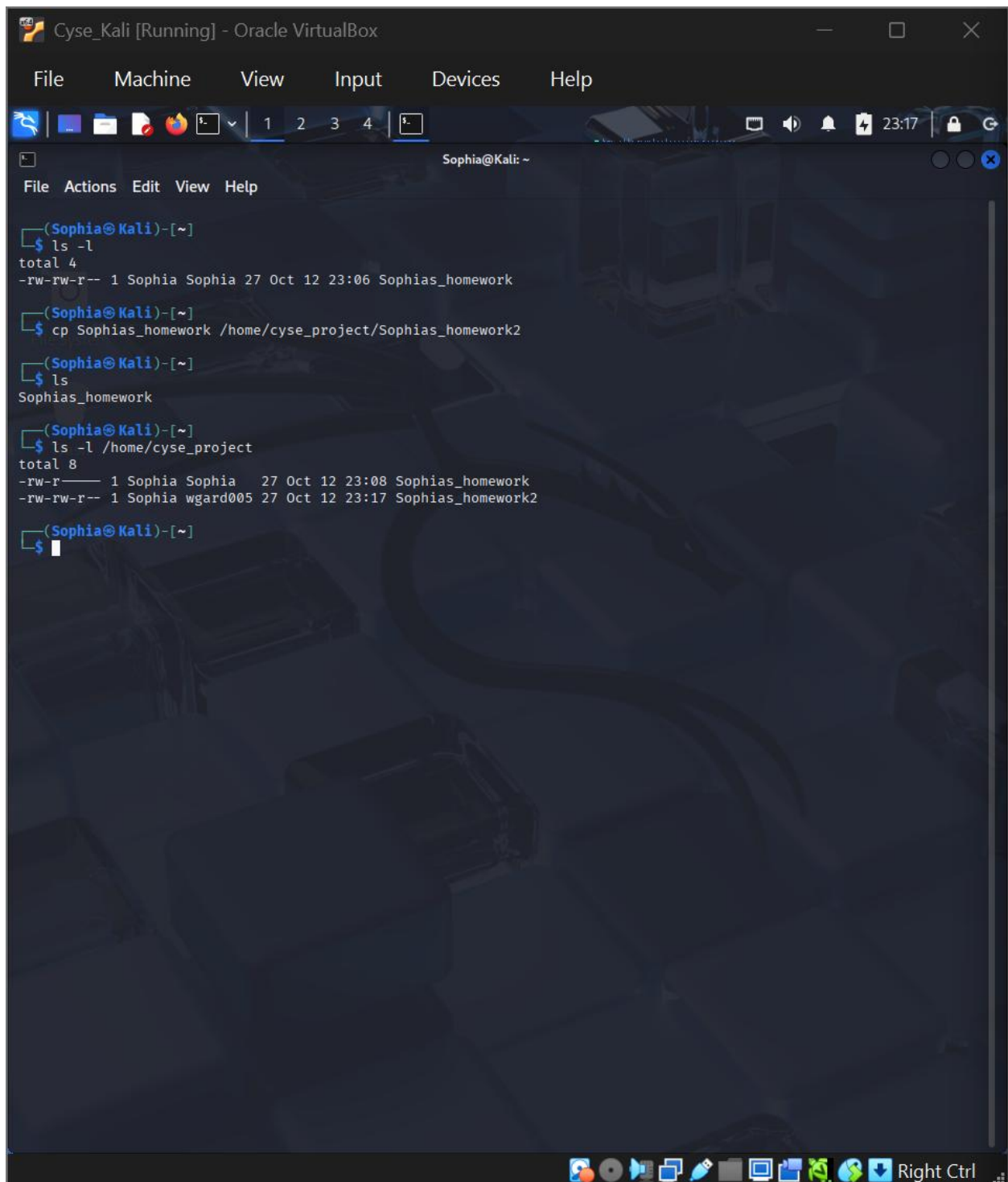
william-gardin@Kali: ~
File Actions Edit View Help
(william-gardin@Kali)-[~]
$ sudo chmod g+s /home/cyse_project/
[sudo] password for william-gardin:

(william-gardin@Kali)-[~]
$ ls -l
total 36
-rw-rw-r-- 1 william-gardin william-gardin 100 Oct 5 22:33 01292709.hash
-rw-rw-r-- 1 william-gardin william-gardin 0 Oct 7 11:16 123456.txt
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Desktop
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Documents
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Downloads
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Music
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Pictures
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Public
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Templates
-rw-r--r-- 1 root 1292709 0 Sep 24 22:09 testfile
drwxr-xr-x 2 william-gardin william-gardin 4096 Sep 18 12:52 Videos

(william-gardin@Kali)-[~]
$ sudo ls -l /home/cyse_project/
total 4
-rw-r--r-- 1 Sophia Sophia 27 Oct 12 23:08 Sophias_homework

(william-gardin@Kali)-[~]
$
```

2.



```
Cyse_Kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Sophia@Kali: ~
File Actions Edit View Help
(Sophia@Kali)-[~]
$ ls -l
total 4
-rw-rw-r-- 1 Sophia Sophia 27 Oct 12 23:06 Sophias_homework
(Sophia@Kali)-[~]
$ cp Sophias_homework /home/cyse_project/Sophias_homework2
(Sophia@Kali)-[~]
$ ls
Sophias_homework
(Sophia@Kali)-[~]
$ ls -l /home/cyse_project
total 8
-rw-r----- 1 Sophia Sophia 27 Oct 12 23:08 Sophias_homework
-rw-rw-r-- 1 Sophia wgard005 27 Oct 12 23:17 Sophias_homework2
(Sophia@Kali)-[~]
$
```

3.

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

Emma@Kali: /home/cyse_project
File Actions Edit View Help

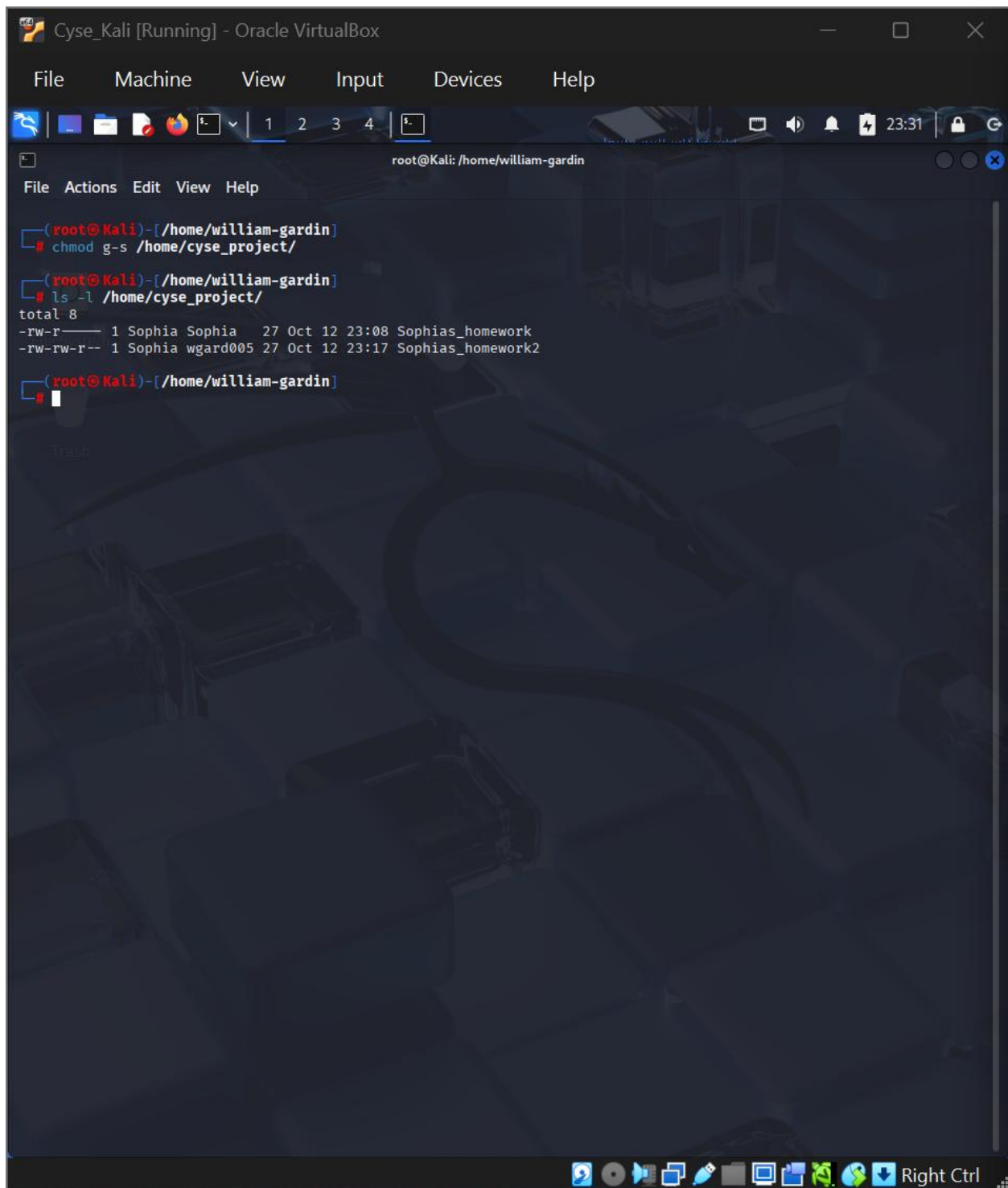
(william-gardin@Kali)-[/home/Sophia]
$ sudo su Emma
[sudo] password for william-gardin:
(Emma@Kali)-[/home/Sophia]
$ cd /home/cyse_project

(Emma@Kali)-[/home/cyse_project]
$ cat Sophias_homework2
My name is William Gardin

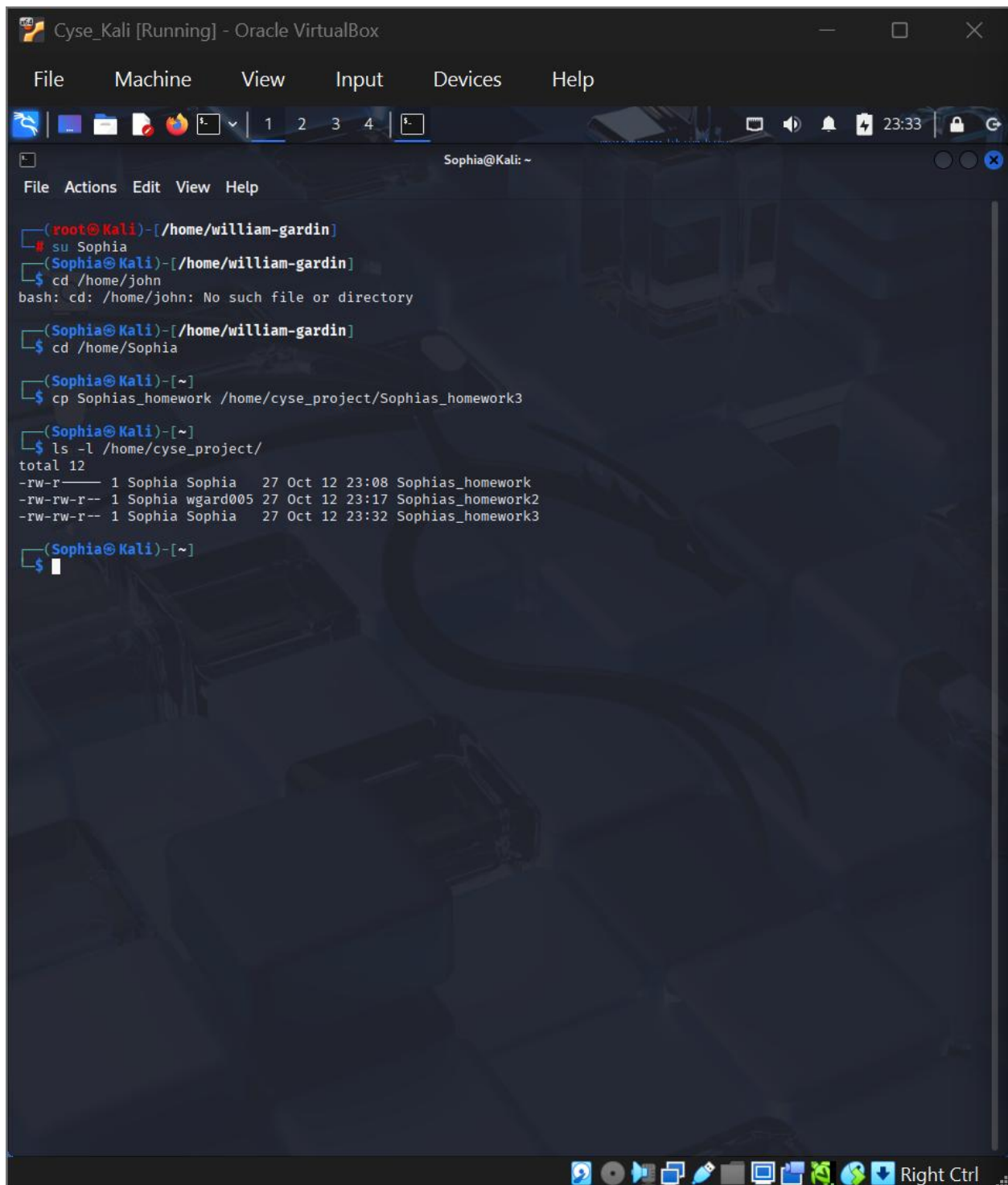
(Emma@Kali)-[/home/cyse_project]
$
```

Task C

1.



2.



```
Cyse_Kali [Running] - Oracle VirtualBox
File Machine View Input Devices Help
Sophia@Kali: ~
File Actions Edit View Help

(Sophia@Kali)-[/home/william-gardin]
# su Sophia
(Sophia@Kali)-[/home/william-gardin]
$ cd /home/john
bash: cd: /home/john: No such file or directory

(Sophia@Kali)-[/home/william-gardin]
$ cd /home/Sophia

(Sophia@Kali)-[~]
$ cp Sophias_homework /home/cyse_project/Sophias_homework3

(Sophia@Kali)-[~]
$ ls -l /home/cyse_project/
total 12
-rw-r--r-- 1 Sophia Sophia 27 Oct 12 23:08 Sophias_homework
-rw-rw-r-- 1 Sophia wgard005 27 Oct 12 23:17 Sophias_homework2
-rw-rw-r-- 1 Sophia Sophia 27 Oct 12 23:32 Sophias_homework3

(Sophia@Kali)-[~]
$
```

3.

```
(Sophia@Kali)-[~]  
$ su Olivia  
Password:  
(Olivia@Kali)-[/home/Sophia]  
$ cd /home/cyse_project/  
  
(Olivia@Kali)-[/home/cyse_project]  
$ cat /home/cyse_project/Sophias_homework3  
My name is William Gardin  
  
(Olivia@Kali)-[/home/cyse_project]  
$
```

