

Assignment 6

Task A:

```
File Edit View Terminal Tabs Help
—(student@kali.example.com)-[~]
—$ sudo groupadd employee | sudo groupadd payroll | sudo groupadd admin
```

```
—(student@kali.example.com)-[~]
—$ sudo useradd -m -d /home/Sophia -g employee -s /bin/bash Sophia | sudo passwd
Sophia | sudo useradd -m -d /home/Olivia -g payroll -s /bin/bash Olivia | sudo p
asswd Olivia | sudo useradd -m -d /home/Emma -g admin -s /bin/bash Emma | sudo pa
sswd Emma
```

```
—(student@kali.example.com)-[/home]
—$ sudo passwd Sophia
New password:
Retype new password:
passwd: password updated successfully

—(student@kali.example.com)-[/home]
—$ sudo passwd Oliva
passwd: user 'Oliva' does not exist

—(student@kali.example.com)-[/home]
—$ sudo passwd Olivia
New password:
Retype new password:
passwd: password updated successfully

—(student@kali.example.com)-[/home]
—$ sudo passwd Emma
New password:
Retype new password:
passwd: password updated successfully
```

```
(student@kali.example.com)-[/home]
$ sudo groupadd bgreg004
groupadd: group 'bgreg004' already exists

(student@kali.example.com)-[/home]
$ sudo usermod -aG bgreg004 Sophia

(student@kali.example.com)-[/home]
$ sudo usermod -aG bgreg004 Emma

(student@kali.example.com)-[/home]
$ sudo usermod -aG bgreg004 Olivia
```

```
(Sophia@kali.example.com)-[~]
$ groups Sophia
Sophia : employee bgreg004

(Sophia@kali.example.com)-[~]
$ groups Olivia
Olivia : payroll bgreg004

(Sophia@kali.example.com)-[~]
$ groups Emma
Emma : admin bgreg004
```

```
(student@kali.example.com)-[/home]
$ sudo mkdir /home/cyse_project
```

```
(student@kali.example.com)-[/home]
$ sudo chown :bgreg004 /home/cyse_project
```

```
(student@kali.example.com)-[/home]
$ sudo chmod 770 /home/cyse_project
```

```
(Sophia@kali.example.com)-[~]
$ ls -ld /home/cyse_project
drwxrwx--- 2 root bgreg004 4096 Oct 12 17:50 /home/cyse_project
```

```
(student@kali.example.com)-[/home]
$ su - Sophia
Password:
```

```
(Sophia@kali.example.com)-[~]  
$ umask 027
```

```
(Sophia@kali.example.com)-[~]  
$ vi Sophia_homework
```

Bryan Gregg

~~~~~

"Sophia\_homework" 1L, 12B

```
(Sophia@kali.example.com)-[~]  
$ ls -l Sophia_homework  
-rw-r----- 1 Sophia employee 12 Oct 12 18:12 Sophia_homework
```

```
(Sophia@kali.example.com)-[~]  
$ su - Emma  
Password:  
(Emma@kali.example.com)-[~]  
$ cat /home/cyse_project/Sophia_homework  
cat: /home/cyse_project/Sophia_homework: No such file or directory
```

```
(Emma@kali.example.com)-[~]  
$ su - student  
Password:  
(student@kali.example.com)-[~]  
$
```

Task B:

```
(student@kali.example.com)-[~]  
$ sudo chmod g+s /home/cyse_project  
  
(student@kali.example.com)-[~]  
$ ls -ld /home/cyse_project  
drwxrws--- 2 root bgreg004 4096 Oct 12 17:50 /home/cyse_project
```

```
(Sophia@kali.example.com)-[~]  
$ cp ~/Sophia_homework /home/cyse_project/Sophia_homework2
```

```
(Sophia@kali.example.com)-[~]  
$ ls -l /home/cyse_project/Sophia_homework2  
-rw-r----- 1 Sophia bgreg004 12 Oct 12 18:40 /home/cyse_project/Sophia_homework2
```

```
(Emma@kali.example.com)-[~]  
$ cat /home/cyse_project/Sophia_homework2  
Bryan Gregg
```

Task C:

```
(student@kali.example.com)-[~]  
$ sudo chmod 750 /home/cyse_project  
  
(student@kali.example.com)-[~]  
$ ls -ld /home/cyse_project  
drwxr-s--- 2 root bgreg004 4096 Oct 12 18:40 /home/cyse_project
```

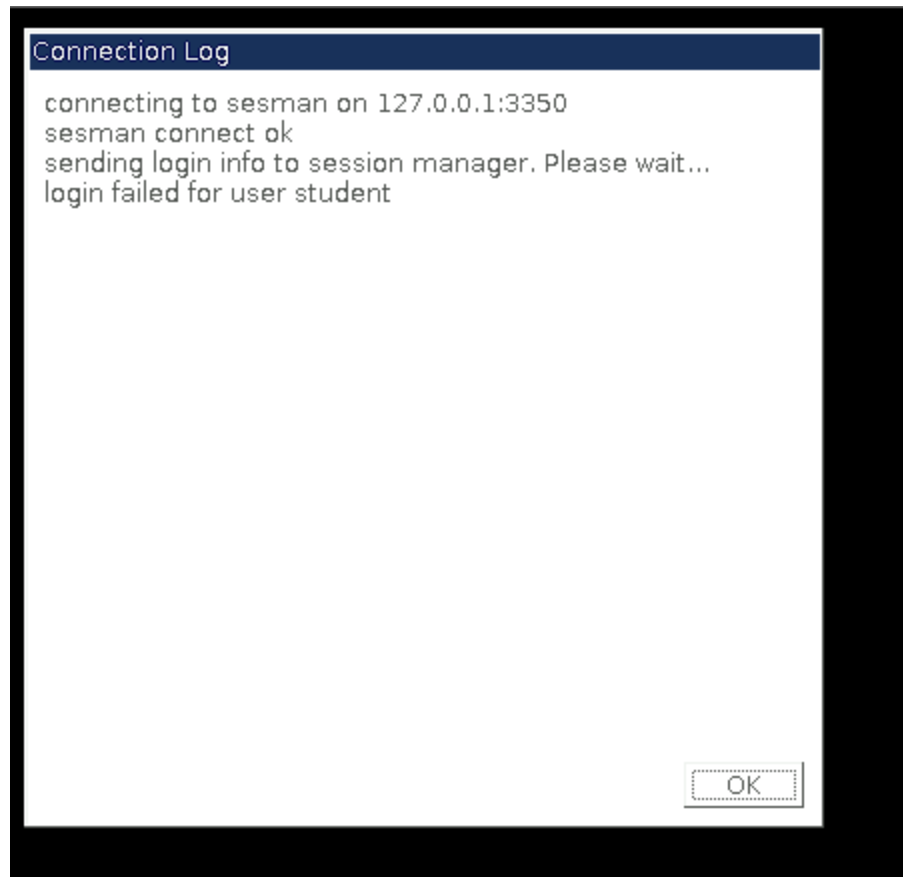
```
(student@kali.example.com)-[~]  
$ su - Sophia  
Password:  
(Sophia@kali.example.com)-[~]  
$ cp ~/Sophia_homework /home/cyse_project/Sophia_homework3  
cp: cannot create regular file '/home/cyse_project/Sophia_homework3': Permission  
denied  
  
(Sophia@kali.example.com)-[~]  
$ sudo cp ~/Sophia_homework /home/cyse_project/Sophia_homework3  
[sudo] password for Sophia:  
sophia is not in the sudoers file.
```

```
(Sophia@kali.example.com)-[~]  
$ su - Olivia  
Password:  
(Olivia@kali.example.com)-[~]  
$ cat /home/cyse_project/Sophia_homework3  
cat: /home/cyse_project/Sophia_homework3: No such file or directory
```

Extra Credit:

```
(Sophia@kali.example.com)-[~]  
$ su - Olivia  
Password:  
(Olivia@kali.example.com)-[~]  
$ cat /home/cyse_project/Sophia_homework3  
cat: /home/cyse_project/Sophia_homework3: No such file or directory
```

\*\*\*\* After this point I got kicked off the cyber range and was receiving the following error when I tried to log back in:



\*\*\*\* The following are the remaining commands for the extra credit minus the screenshots:

```
sudo chmod +t /home/cyse_project
```

```
ls -ld /home/cyse_project
```

```
su - olivia
```

```
rm /home/cyse_project/Sophia_homework3
```