

## 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_hw
```

```
└─$ (Sophia㉿kali.example.com)~
└─$ ls -l Sophia_hw
-rw-r----- 1 Sophia employee 12 Oct 12 18:12 Sophia_hw
```

```
└─(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

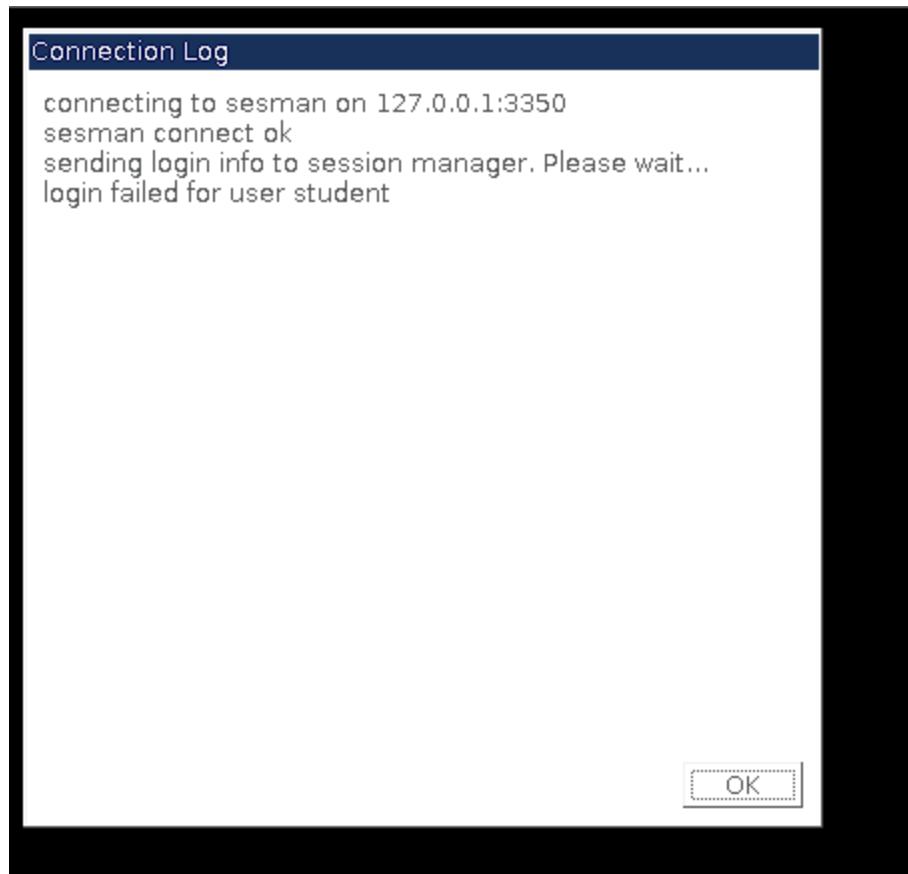
└─(Sophia㉿kali.example.com)-[~]
└─$ sudo cp ~/Sophia_homework /home/cyse_project/Sophia_homework3
[sudo] password for Sophia:
Sophia is not in the sudoers file.
```

```
└─(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