

Lab 6 File Permissions

Task A

1.

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

(student@kali.example.com)-[~]
$ sudo groupadd payroll

(student@kali.example.com)-[~]
$ sudo groupadd admin

(student@kali.example.com)-[~]
$
```

2.

```
(student@kali.example.com)-[~]
$ sudo useradd -m -k /etc/skel/ Olivia
useradd: user 'Olivia' already exists

(student@kali.example.com)-[~]
$ sudo useradd -m -k /etc/skel/ Sophia

(student@kali.example.com)-[~]
$ sudo useradd -m -k /etc/skel/ Emma

(student@kali.example.com)-[~]
$
```

```
(student@kali.example.com)-[~]
$ sudo usermod -a -G employee Sophia

(student@kali.example.com)-[~]
$ sudo usermod -a -G payroll Olivia

(student@kali.example.com)-[~]
$ sudo usermod -a -G admin Emma

(student@kali.example.com)-[~]
$ sudo usermod -s /bin/bash Sophia

(student@kali.example.com)-[~]
$ sudo usermod -s /bin/bash Olivia

(student@kali.example.com)-[~]
$ sudo usermod -s /bin/bash Emma

(student@kali.example.com)-[~]
$
```

3.

```
(student@kali.example.com)-[~]
$ sudo groupadd zjord001

(student@kali.example.com)-[~]
$ sudo usermod -G zjord001 -a Sophia

(student@kali.example.com)-[~]
$ sudo usermod -G zjord001 -a Emma

(student@kali.example.com)-[~]
$ sudo usermod -G zjord001 -a Olivia
```

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4.

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

(home)
└─$ ls -ld /home/cyse_project/
drwxr-xr-x 2 root root 4096 Mar 11 01:09 /home/cyse_project/

(home)
└─$ sudo chgrp zjord001 /home/cyse_project/

(home)
└─$
```

5.

```
└─$ sudo chgrp zjord001 /home/cyse_project/

(home)
└─$ sudo chmod 770 /home/cyse_project/

(home)
└─$ ls -ld /home/cyse_project/
drwxrwx--- 2 root zjord001 4096 Mar 11 01:09 /home/cyse_project/

(home)
└─$
```

6.

```
Try: apt install <deb name>

(Sophia@kali)-[~]
└─$ umask
0002

(Sophia@kali)-[~]
└─$ umask -S
u=rwx,g=rwx,o=rX

(home)
└─$ umask 0137

(Sophia@kali)-[~]
└─$ umask -S
u=rw,g=r,o=

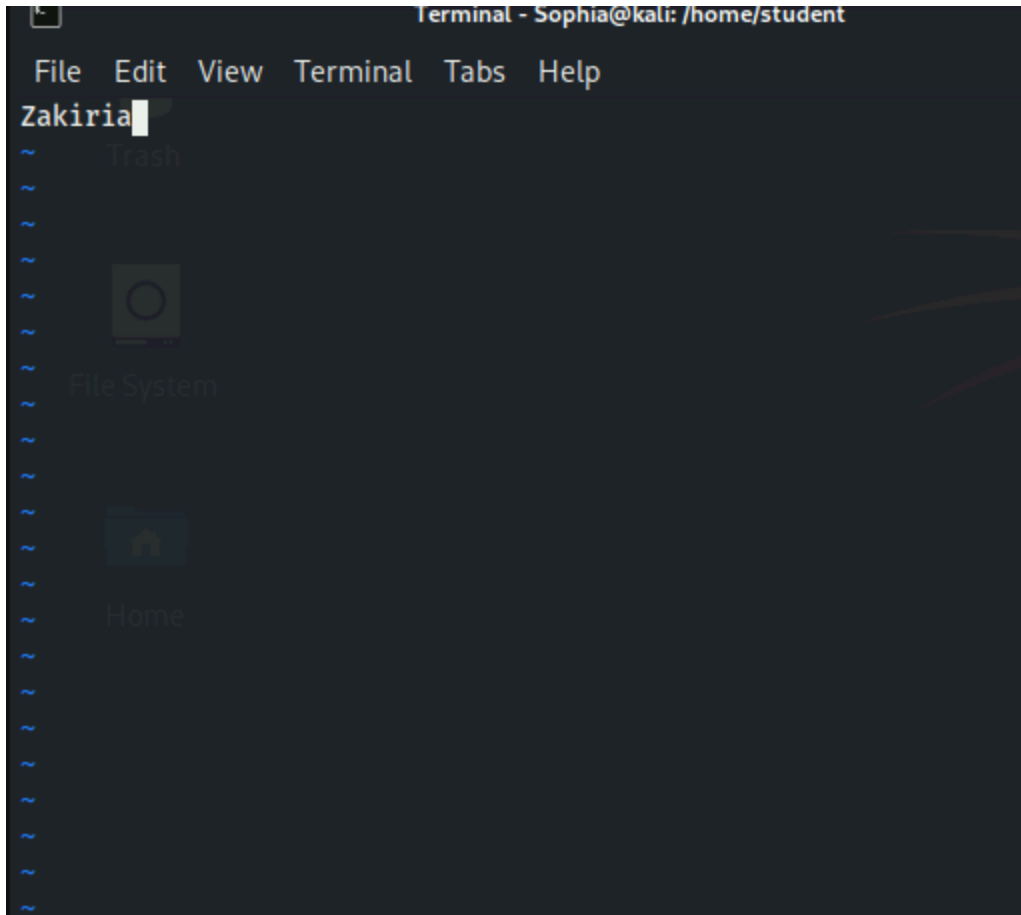
(Sophia@kali)-[~]
└─$
```

Password:

```
(Sophia@kali)-[/home/student]
└─$ vi Sophia_homework
```

7.

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8.

```
Terminal - Sophia@kali: /home/student
Password:
(Sophia@kali)-[/home/student]
└─$ cp Sophia_homework /home/cyse_project/

(Sophia@kali)-[/home/student]
└─$ cd /home/cyse_project/

(Sophia@kali)-[/home/cyse_project]
└─$ ls
Sophia_homework

(Sophia@kali)-[/home/cyse_project]
```

9.

Task B

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1.

```
Terminal - student@kali.example.com: ~
File Edit View Terminal Tabs Help
(student@kali.example.com)-[~]
$ sudo chmod g+s /home/cyse_project/

(student@kali.example.com)-[~]
$
```

2.

```
Password:
(Sophia@kali)-[/home/student]
$ cp Sophia_homework /home/cyse_project/Sophia_homework2

(Sophia@kali)-[/home/student]
```

3.

```
(Sophia@kali)-[/home/student]
$ su Emma
Password:
(Emma@kali)-[/home/student]
$ cd /home/cyse_project/

(Emma@kali)-[/home/cyse_project]
$ cat Sophia_homework2
Zakiria
```

Task C

1.

```
File Edit View Terminal Tabs Help
(student@kali.example.com)-[~]
$ sudo su
(root@kali.example.com)-[/home/student]
# chmod g-s /home/cyse_project

(root@kali.example.com)-[/home/student]
# chmod g-s /home/cyse_project/

(root@kali.example.com)-[/home/student]
```

2.

```
(root@kali.example.com)-[/home/student]
# su Sophia
(Sophia@kali)-[/home/student]
$ cp Sophia_homework /home/cyse_project/Sophia_homework3

(Sophia@kali)-[/home/student]
```

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3.

```
(Sophia@kali)-[/home/student]
└─$ su Olivia
Password:
(Olivia@kali)-[/home/student]
└─$ cd

(Olivia@kali)-[~]
└─$ cd /home/cyse_project/

(Olivia@kali)-[/home/cyse_project]
└─$ cat Sophia_homework3
```