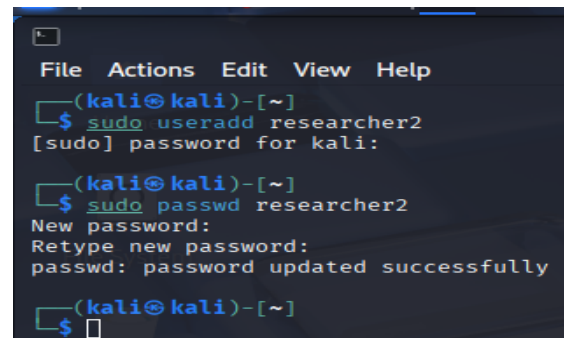# Managing Users, Groups, and File Permissions in Linux –
Cybersecurity Portfolio Project

1- Use this command to create new user

```
$ sudo useradd researcher2
/*useradd a command using to create a new
users*/

$ sudo passwd researcher2
/*passwd a command using to set the user
password*/
```
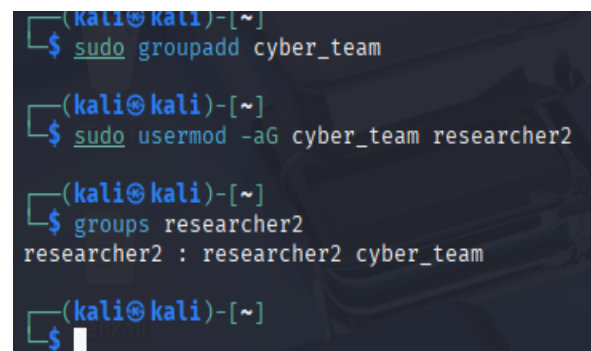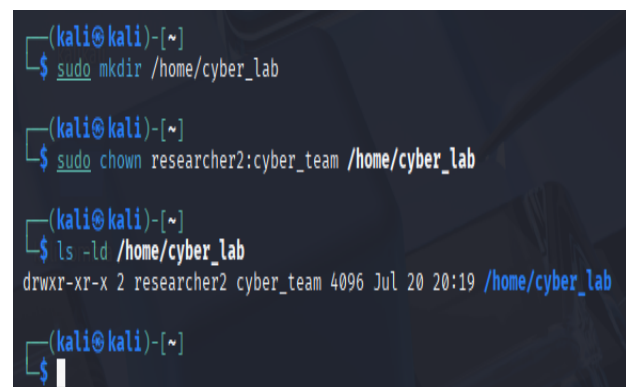

2- Create the group and add the user to it

```
$ sudo groupadd cyber_team
/*groupadd a command using to create a new
groups*/
$sudo usermod -aG cyber_team researcher2
/*usermod a command using to add user to group*/
$ groups researcher2
/*show the group the user belongs to*/
```


3- Create the project folder and assign ownership

```
$ sudo mkdir /home/cyber_lab
/*mkdir a command using to create a project
directory*/
$ sudo chown researcher2:cyber_team
/home/cyber_lab
/*chown a command using to assign directory
ownership*/
$ ls -ld /home/cyber_lab
/*This command is used to display detailed
information about the directory*/
```
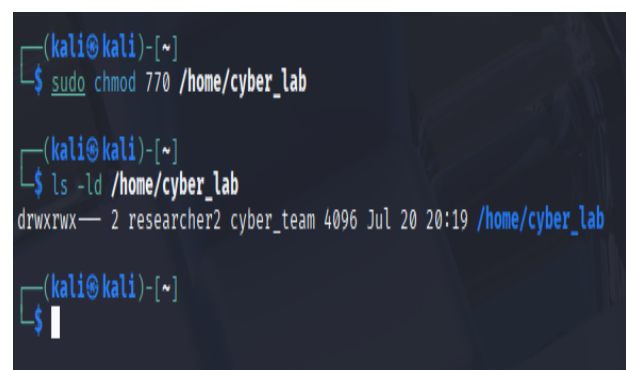

4- Assigning permissions

```
$ sudo chmod 770 /home/cyber_lab
/*chmod a command using to assigning directory
Assigning permissions*/
$ ls -ld /home/cyber_lab
/*This command is used to display detailed
information about the directory*/

drwxrwx--- 2 researcher2 cyber_team …
/*Output*/
```