Lab2

**9. Show the total directory size of /home/<your user name>.**

```
diana@diana:~/Desktop$ cd /home/diana/
diana@diana:~$ du --help
```

```
diana@diana:~$ du -sh /home/diana
63M     /home/diana
diana@diana:~$
```

10. List all files at your /etc which end with .config

```
diana@diana:~$ cd /etc/
diana@diana:/etc$ ls *.config
manpath.config
```

11. Create a folder called /tmp/myconfig and copy to it all .config files from etc to it


```
diana@diana:/etc$ mkdir /tmp/myconfig
diana@diana:/etc$ ls /etc/*.config
/etc/manpath.config
diana@diana:/etc$ cp /etc/*.config /tmp/myconfig
diana@diana:/etc$
```
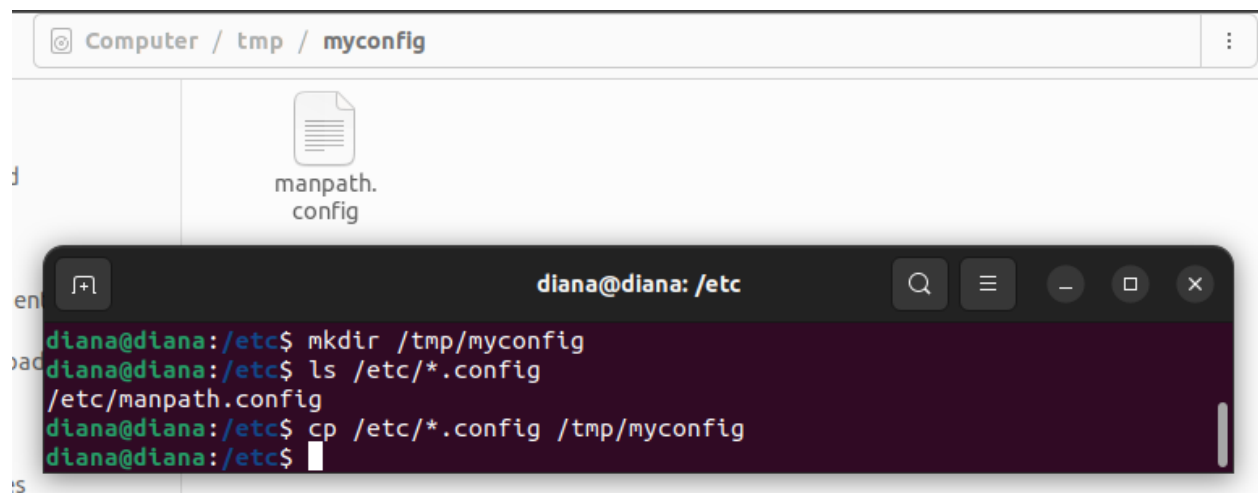
12. Remove the directory /tmp/myconfig


```
rm: cannot remove '/tmp/myconfig': Is a directory
diana@diana:/etc$ rm -r /tmp/myconfig
diana@diana:/etc$
```
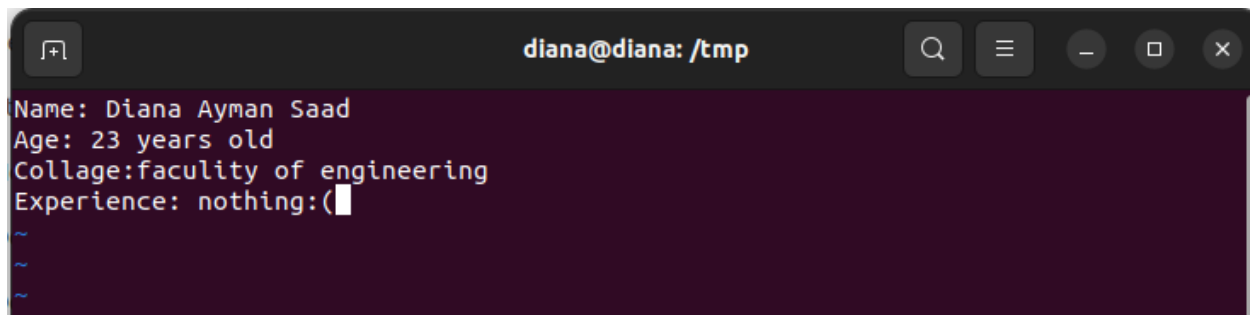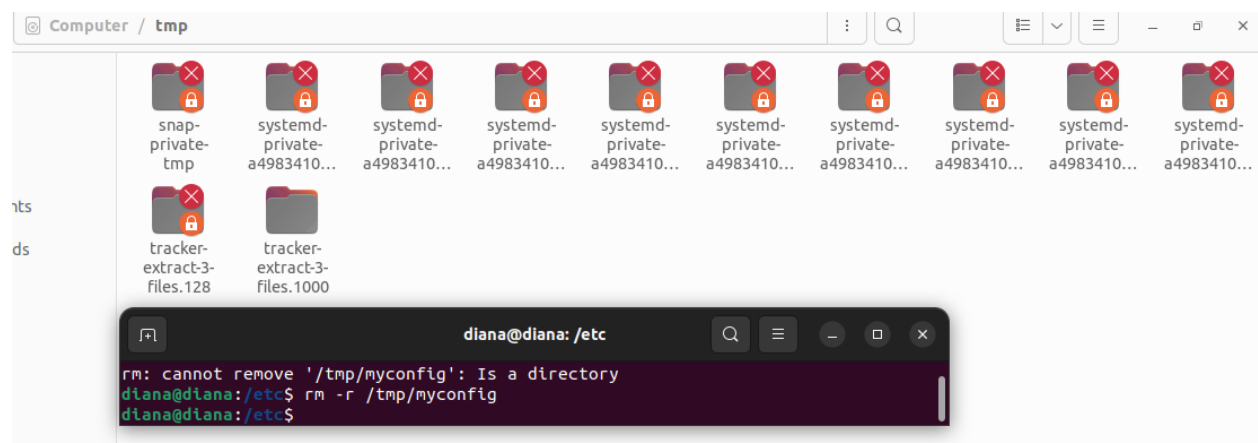
13. Display lines 1 to line 5 of /etc/passwd file

```
diana@diana:/etc$ head -n 5 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
```

Lab3

1. Using vi write your CV in the file /tmp/mycv. Your CV should include your name, age, school, college, experience,...

```
diana@diana:/tmp$ vi /tmp/mycv
```


2. Open /tmp/mycv file using vi command then: Without using arrows state how to:

a. Move the cursor down one line at time. Using : j

b. Move the cursor up one line at time. Using: k

c. Search for word age /age

d. Step to line 5 (assuming that you are in line 1 and file is more than 5 lines). :5

e. Delete the line you are on dd

f. Delete line number 5. :5d

g. How to step to the end of line and change to writing mode in one step A

3. Create a user account with the following attribute ● username: islam ● Fullname/comment: Islam Askar ● Password: islam

```
diana@diana:/$ sudo useradd -c "Islam Asker" -m islam
diana@diana:/$ sudo passwd islam
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
diana@diana:/$
```

4. Create a user account with the following attribute ● Username: baduser ● Full name/comment: Bad User ● Password: baduser

```
diana@diana:/$ sudo useradd -c "Bad User" -m baduser
diana@diana:/$ sudo passwd baduser
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
diana@diana:/$
```

5. Create a group called pgroup with group ID of 30000

```
diana@diana:/$ sudo groupadd -g 30000 pgroup
```

6. Create a group called badgroup

```
diana@diana:/$ sudo groupadd badgroup
diana@diana:/$
```

Lab4

1. Add islam user to the pgroup group as a supplementary group

```
diana@diana:/$ groups islam
islam : islam
diana@diana:/$ sudo gpasswd -a islam pgroup
[sudo] password for diana:
Adding user islam to group pgroup
diana@diana:/$
```

2. Log out and log in by another user

```
diana@diana:/$ su islam
Password:
$
$
$
diana@diana:/$
```

3. Modify the password of islam's account to password

```
diana@diana:/$ sudo pas
passwd          paste           pasteurize    pasuspender
diana@diana:/$ sudo passwd islam
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a diction
ary word
Retype new password:
passwd: password updated successfully
diana@diana:/$
```

4. Modify islam's account so the password expires after 30 days

```
diana@diana:/$ sudo chage -M 30 islam
diana@diana:/$
```

5. Lock bad user account so he can't log in

```
diana@diana:/$ sudo usermod -L baduser
diana@diana:/$
```

6. Delete bad user account

```
diana@diana:/$ sudo userdel baduser
diana@diana:/$
```

7. Delete the group called badgroup.

```
diana@diana:/$ sudo groupdel badgroup
diana@diana:/$
```

8. As you Super user, Set or change the password of root

```
diana@diana:/$ sudo passwd root
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
diana@diana:/$
```

9. As you Super user, Try to remove all files in /tmp

sudo rm /tmp/*