

Redhat System Administration I: Lab 2 solution
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11.Remove dir11 in one-step. What did you notice? And how did you overcome that?

A- The directory failed to be deleted because it's not empty.
To delete un-empty directories we have to use the "rm -r <directory-name>" command.

12.Copy the /etc/passwd file to your home directory making its name is mypasswd.

```
cp /etc/passwd ~/mypasswd
```

13.Rename this new file (which at your home) to be oldpasswd

```
mv ~/mypasswd ~/oldpasswd
```

14.Write the command which display the man page of the passwd file"/etc/passwd".

```
man passwd
```

15.Write the command which display a list of all the commands that contain the keyword "passwd" in their man/manual page.

```
man -k passwd
```

16.You are in /usr/bin, list four ways to go to your home directory
1-cd ~/

2-cd -/

3-

```
cd .. (/usr)
```

```
cd .. (/)
```

```
cd /home/<my-user-name>
```

4- cd /home/<my-user-name>

17.The output of the command `pwd` was `/home/<your_user_name>`. Write the absolute and relative path for the file `/etc/passwd`

```
absolute: /etc/passwd
relative: ../../etc/passwd
```

18.Show the total directory size of `/home/<your_user_name>`.

```
df -h ~
or
df -h /home/<my-user-name>
```

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

```
ls /etc/*.config
```

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

```
mkdir /tmp/myconfig
cp /etc/*.config /tmp/myconfig/
```

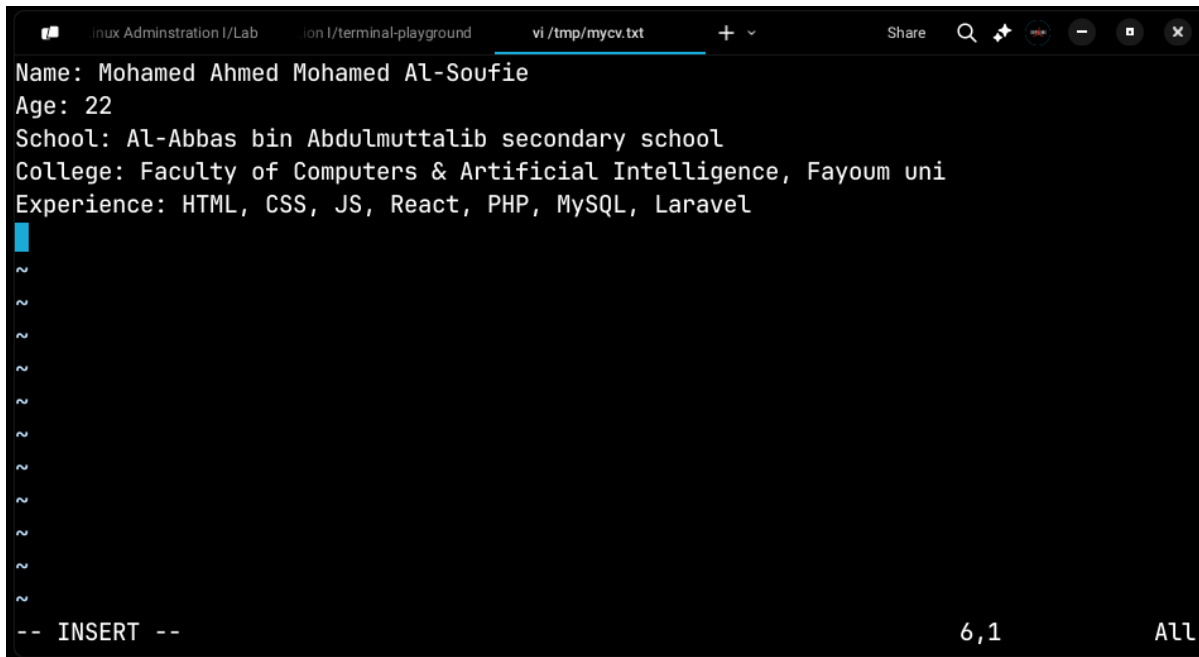
21.Remove the directory `/tmp/myconfig`

```
rm -r /tmp/myconfig/
```

22.Display lines 1 to line 5 of `/etc/passwd` file

```
more -5 /etc/passwd
```

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



```
linux Administration I/Lab  ion I/terminal-playground  vi /tmp/mycv.txt  +  Share  Q  ↗  -  □  ×

Name: Mohamed Ahmed Mohamed Al-Soufie
Age: 22
School: Al-Abbas bin Abdulmuttalib secondary school
College: Faculty of Computers & Artificial Intelligence, Fayoum uni
Experience: HTML, CSS, JS, React, PHP, MySQL, Laravel
~
~
~
~
~
~
~
~
~
~
-- INSERT -- 6,1 All
```

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

a. Move the cursor down one line at time.

<j>

b. Move the cursor up one line at time.

<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).

<5G>

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>

25. Create a user account with the following attribute

- username: islam
- Fullname/comment: Islam Askar

```
sudo useradd -c "Islam Askar" -md /home/islam-askar islam
```

- Password: islam

```
sudo passwd islam
```

```
<islam> Enter
```

```
<islam> Enter
```

26. Create a user account with the following attribute

- Username: baduser

- Full name/comment: Bad User

```
sudo useradd -c "Bad User" baduser
```

- Password: baduser

```
sudo passwd baduser
```

```
<baduser> Enter
```

```
<baduser> Enter
```

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

```
sudo groupadd -g 30000 pgroup
```

28. Create a group called badgroup

```
sudo groupadd badgroup
```

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

```
sudo usermod -aG pgroup islam
```

30. Log out and log in by another user

```
su - islam
```

```
<islam> Enter
```

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

```
sudo passwd islam
```

```
<password> Enter
```

```
<password> Enter
```

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

```
sudo chage -M 30 islam
```

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

```
sudo chage -E 2025-01-12 baduser  
or  
sudo passwd -l baduser
```

34.Delete bad user account

(used -r to delete his home dir as well.)

```
sudo userdel -r baduser
```

35.Delete the group called badgroup.

```
sudo groupdel badgroup
```