Rest of Lab 2

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

```
name:rahmasamy
age:23
experience:frontend&backend usin laravel and reactjs
kills:html,css,js,reactjs,angular,php,laravel
education:computer science cairo university
language:english

~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"mycv3" 7 lines, 184 bytes
```

2. Open mycv file using vi command then: (Without using arrows state how to)

```
rahmasamy@rahmasamy-Vostro-3520:~$ vi mycv3
```

3. Move the cursor down one line at time
ESC:G
4. Move the cursor up one line at time.
ESC:k
5. Search for word age
Esc:/string
6. Step to line 5 (assuming that you are in line 1 and file is more than 5 lines).
Esc:nG

7. Delete the line you are on and line 5.
ESC:5d

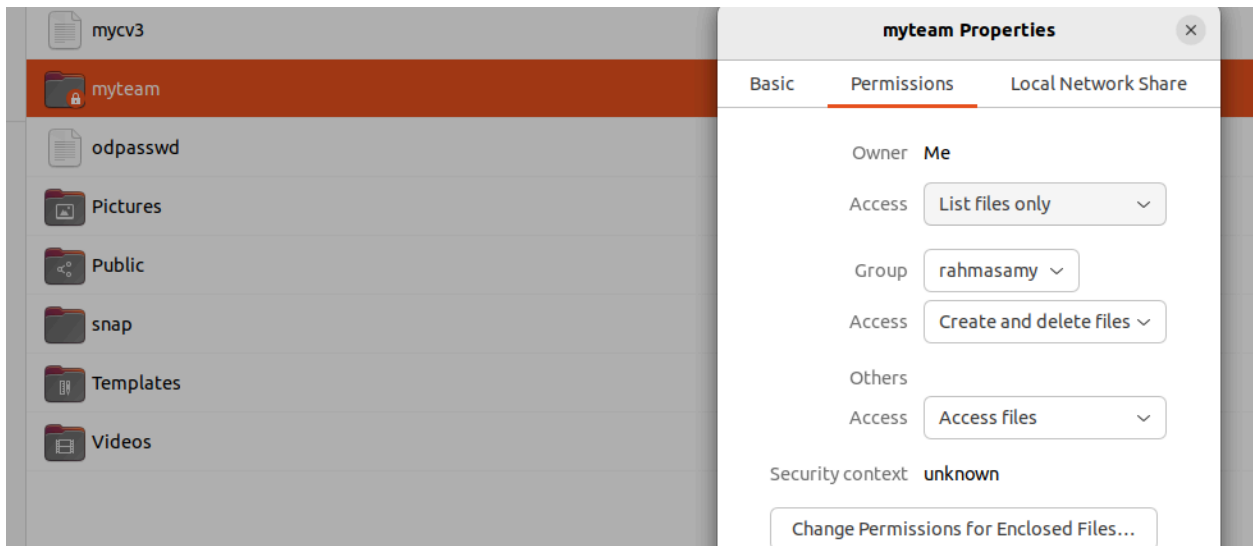## 8. How to step to the end of line and change to writing mode in one-step
Esc:I

22.Launch nautilus

```
rahmasamy@rahmasamy-Vostro-3520:~$ nautilus
```

23.Create a folder called myteam

```
rahmasamy@rahmasamy-Vostro-3520:~$ mkdir myteam
rahmasamy@rahmasamy-Vostro-3520:~$ ls
Desktop      google-chrome-stable_current_amd64.deb   myteam     Public     Videos
Documents    Music                                    odpasswd   snap
Downloads    mycv3                                    Pictures   Templates
rahmasamy@rahmasamy-Vostro-3520:~$
```

24.Change its permissions to read only for the owner.

```
mycv3
myteam
odpasswd
Pictures
Public
snap
Templates
Videos
```

myteam Properties   ✕

Basic   Permissions   Local Network Share

Owner   Me

Access   List files only   ⌄

Group   rahmasamy ⌄

Access   Create and delete files ⌄

Others

Access   Access files   ⌄

Security context   unknown

Change Permissions for Enclosed Files...

25.Log out and log in by another user

```
/home/rahmasamy
rahmasamy@rahmasamy-Vostro-3520:~$ sudo useradd mohamed
[sudo] password for rahmasamy:
Sorry, try again.
[sudo] password for rahmasamy:
rahmasamy@rahmasamy-Vostro-3520:~$ sudo passwd mohamed
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: password updated successfully
rahmasamy@rahmasamy-Vostro-3520:~$
```

26.Try to access the folder

Oops! Something went wrong.
Don't have permission to access the requested location.

OK
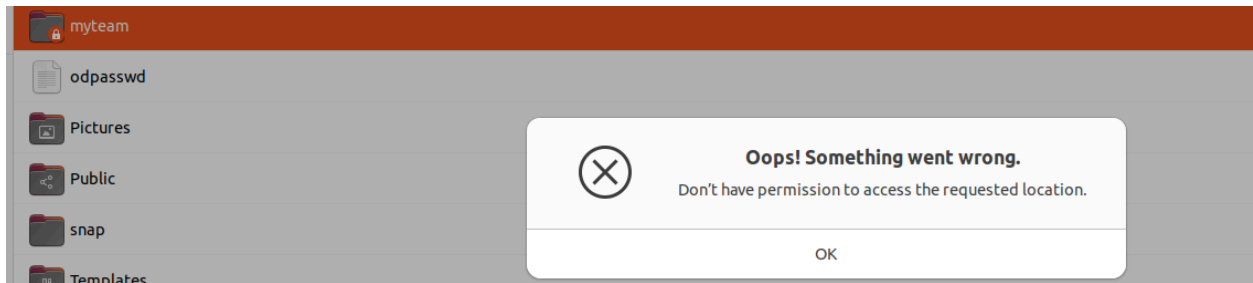
27.Using the command Line

```
rahmasamy@rahmasamy-Vostro-3520:~$ su mohamed
Password:
$ cd /home/mohamed/myteam
sh: 1: cd: can't cd to /home/mohamed/myteam
$ cd /home/rahmasamy/myteam
sh: 2: cd: can't cd to /home/rahmasamy/myteam
$
```

28.Change the permissions of mycv file to give owner read and write permissions and for
group write and execute and execute only for the others (using chmod in 2 different
ways)

```
.Cchmod: cannot access 'o=x': No such file or directory
.Darahmasamy@rahmasamy-Vostro-3520:~$ chmod u=rw,g=wx,o=x mycv3
.Crahmasamy@rahmasamy-Vostro-3520:~$ ls -ld mycv3
.Li-rw--wx--x 1 rahmasamy rahmasamy 184 10:18 10 يون  mycv3
.Virahmasamy@rahmasamy-Vostro-3520:~$
```

29.Change your default permissions to be as above.
Unmask 1 4 6
30.What is the maximum permission a file can have, by default when it is just created? And
what is that for directory.

For file 666 for (read,write for file)
For directory 777 (read,write,excute for diractory)
31.Change your default permissions to be no permission to everyone then create a directory
and a file to verify.

```
Try: sudo apt install <deb name>
rahmasamy@rahmasamy-Vostro-3520:~$ umask 777
rahmasamy@rahmasamy-Vostro-3520:~$ mkdir nonperm
rahmasamy@rahmasamy-Vostro-3520:~$ touch rahma
rahmasamy@rahmasamy-Vostro-3520:~$ ls -ld
drwxr-x--- 22 rahmasamy rahmasamy 4096 10:27 10 يون .
rahmasamy@rahmasamy-Vostro-3520:~$ ls -ld nonperm
d--------- 2 rahmasamy rahmasamy 4096 10:27 10 يون nonperm
rahmasamy@rahmasamy-Vostro-3520:~$  ls -ld rahma
---------- 1 rahmasamy rahmasamy 0 10:27 10 يون rahma
rahmasamy@rahmasamy-Vostro-3520:~$
```

32.Copy a file from another user to your home directory. Note the permissions allowed to
you before and after. Specify why?


```
Retype new password:
passwd: password updated successfully
Changing the user information for newuser
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []: 3
        Work Phone []: 01026951655
        Home Phone []: 0203503405
        Other []:
Is the information correct? [Y/n] y
rahmasamy@rahmasamy-Vostro-3520:~$ su -newuser
su: invalid option -- 'n'
Try 'su --help' for more information.
rahmasamy@rahmasamy-Vostro-3520:~$ su - newuser
Password:
newuser@rahmasamy-Vostro-3520:~$ pwd
/home/newuser
newuser@rahmasamy-Vostro-3520:~$ touch newfile
newuser@rahmasamy-Vostro-3520:~$ ls -l /home/newuser/newfile
-rw-rw-r-- 1 newuser newuser 0 11:15 10 يون /home/newuser/newfile
newuser@rahmasamy-Vostro-3520:~$ sudo cp /home/newuser/newfile /home/rahmasamy
[sudo] password for newuser:
newuser is not in the sudoers file.  This incident will be reported.
newuser@rahmasamy-Vostro-3520:~$
```

What are the minimum permission needed for :

34.Copy a directory (source and target)
source:read(r),x(execute)
target:write(w),x(execute)
35.Copy a file (source and target)

source:(r) read

target:(w)write

36.Delete a file

No permissions

37.Change to a directory

X execute

38.List a directory content

R, read x execute

39.View a file content

R read

40.Modify a file content

W write

41.Create a file with permission 444. Try to edit in it and to remove it? Note what happened.
(notice write protection in Linux)

No one can edit or remove it because it on permission 444 (read only)

42. What is the difference between the "x" permission for a file and for a directory

For file : x execute file as program or script

For directory

X give users access to the directory if the users know the content of the directory