LAB3

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

using s to insert and :to save and exist

```
[student@workstation ~]$ cat mycv
my name is marwan ragab
22 years old
Egyptian Russian University
Artifial Intellegince
worked in 2 company
```

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

using j

b. Move the cursor up one line at a time:

using k

c. Search for word "age":
using /age and press Enter

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

using :5 and enter

e. Delete the line you are on and line 5

dd

5Gdd

f. How to step to the end of line and change to writing mode in one-step.

A

3. List the available shells in your system

```
[student@workstation ~]$ cat /etc/shells
/bin/sh
/bin/bash
/usr/bin/sh
/usr/bin/bash
/usr/bin/tmux
/bin/tmux
```

4. List the environment variables in your current shell.

```
[student@workstation ~]$ env
SHELL=/bin/bash
SESSION_MANAGER=local/unix:@/tmp/.ICE-unix/1868,unix/unix:/tmp/.ICE-unix/1868
COLORTERM=truecolor
HISTCONTROL=ignoredups
XDG_MENU_PREFIX=gnome-
HISTSIZE=1000
HOSTNAME=workstation
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=gnome
PWD=/home/student
LOGNAME=student
XDG_SESSION_DESKTOP=gnome
XDG_SESSION_TYPE=x11
SYSTEMD_EXEC_PID=1886
XAUTHORITY=/run/user/1000/gdm/Xauthority
WINDOWPATH=2
GDM_LANG=C.UTF-8
HOME=/home/student
USERNAME=student
LANG=C.UTF-8
```

-Using env or print env

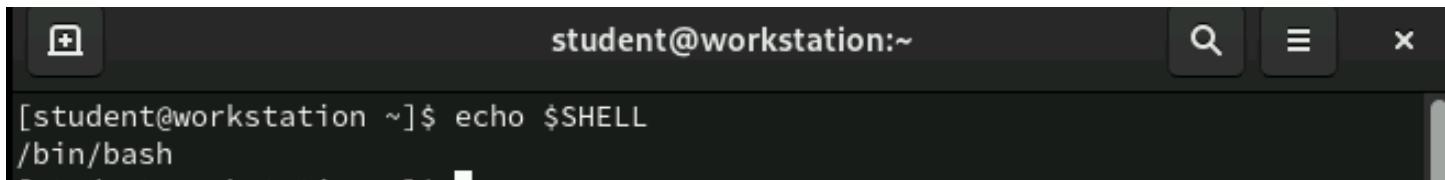**5. List all of the environment variables for the bash shell.**

-Using set

6. What are the commands that list the value of a specific variable?

-echo $VARIABLE_NAME

```
[student@workstation ~]$ echo $PATH
/home/student/.local/bin:/home/student/bin:/sbin:/bin:/usr/sbin:/usr/bin:/usr/lo
cal/sbin:/usr/local/bin:/home/student/.venv/labs/bin
```

7-Display your current shell name.

```
student@workstation:~                    Q    ≡    ✕

[student@workstation ~]$ echo $SHELL
/bin/bash
```

8-State the initialization files of: sh, ksh, bash.

sh (Bourne Shell):

- /etc/profile
- ~/.profile

ksh (Korn Shell):

- /etc/profile
- ~/.profile
- ~/.kshrc

bash (Bourne Again Shell):

- /etc/profile
- ~/.bash_profile or ~/.bash_login or ~/.profile
- /etc/bashrc
- ~/.bashrc

9. Edit in your profile to display date at login and change your prompt permanently.

```
    unset i
    unset -f pathmunge
  fi
fi
date
PS="Marwan>"
~
```

10. Execute the following command :

echo \ then press enter

What is the purpose of \ ? purpose the \ (complete the line)

Notice the prompt ">" what is that? and how can you change it from ">" to ":".

```
[student@workstation ~]$ echo \
> test
test
[student@workstation ~]$ PS2=":"
[student@workstation ~]$ echo \
:test
test
```

11. Create a Bash shell alias named ls for the "ls –l" command

```
[student@workstation ~]$ alias ls="ls -l"
[student@workstation ~]$ ls
total 4
drwxr-xr-x. 2 student student    6 Mar   7  2024 Desktop
drwxr-xr-x. 2 student student    6 Mar   7  2024 Documents
drwxr-xr-x. 2 student student    6 Mar   7  2024 Downloads
drwxr-xr-x. 2 student student    6 Mar   7  2024 Music
drwxr-xr-x. 2 student student    6 Mar   7  2024 Pictures
drwxr-xr-x. 2 student student    6 Mar   7  2024 Public
drwxr-xr-x. 2 student student    6 Mar   7  2024 Templates
drw-r-xr-x. 3 student student   19 Nov   3 12:06 Videos
--w-rwxrwx. 1 student student    0 Nov   3 12:05 ahmed
drwxrwxrwx. 2 student student    6 Nov   3 11:52 fawzy
```