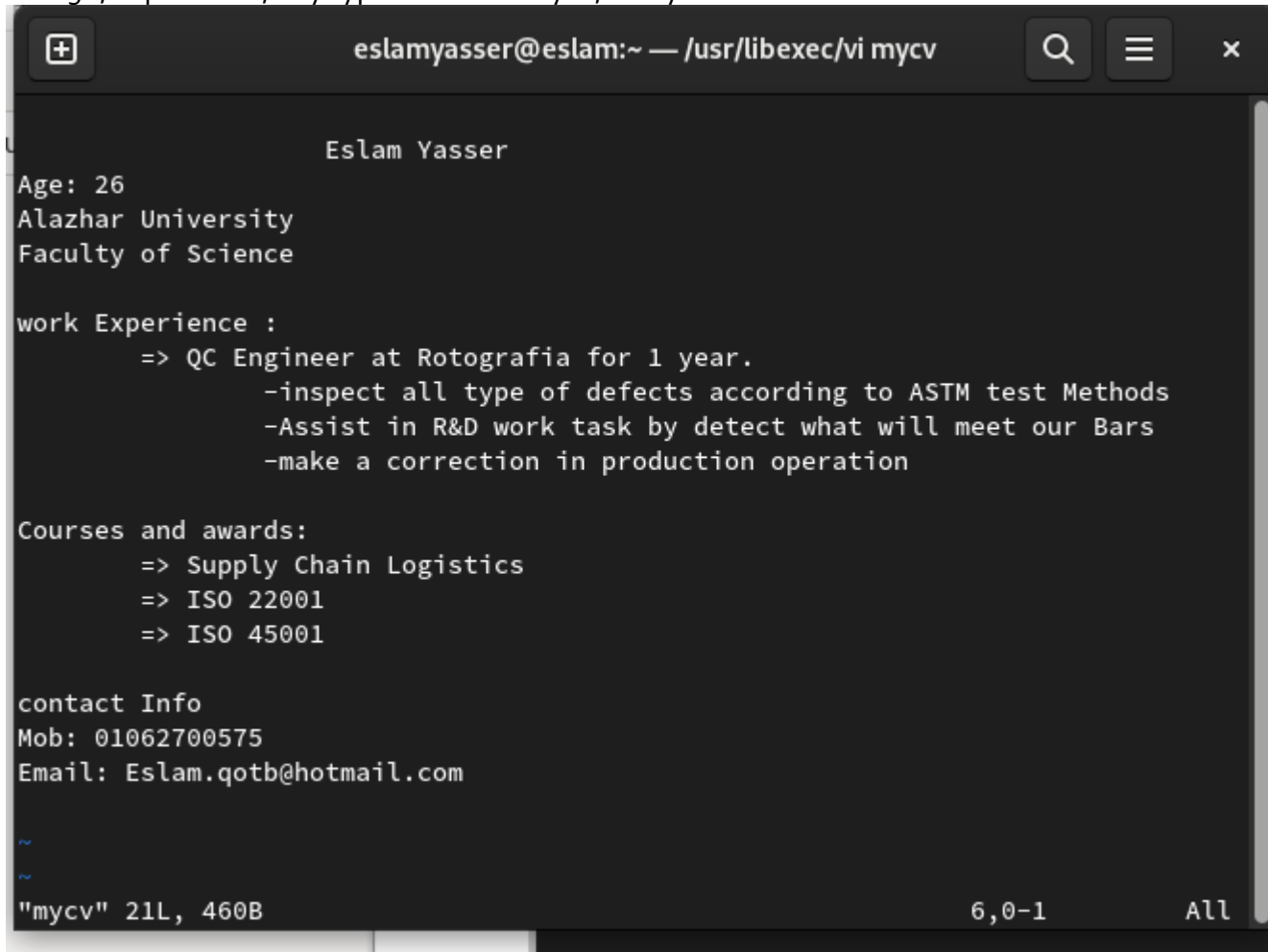# Lab 3 RHSA

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

```
┌─┐                    eslamyasser@eslam:~ — /usr/libexec/vi mycv         Q  ≡    ×
│+│
└─┘
                           Eslam Yasser
Age: 26
Alazhar University
Faculty of Science

work Experience :
        => QC Engineer at Rotografia for 1 year.
                -inspect all type of defects according to ASTM test Methods
                -Assist in R&D work task by detect what will meet our Bars
                -make a correction in production operation

Courses and awards:
        => Supply Chain Logistics
        => ISO 22001
        => ISO 45001

contact Info
Mob: 01062700575
Email: Eslam.qotb@hotmail.com

~
~
"mycv" 21L, 460B                                          6,0-1              All
```

2. Open mycv file using vi command then: Without using arrows state how to:
 a. Move the cursor down one line at time. Return to cmd mode then Press [j] >> press [I] to return insert mode
 b. Move the cursor up one line at time. Return to cmd mode by press esc >>Press [k]>>press [I] to return insert mode
 c. Search for word age press [esc] return cmd mode >> type /age
 d. Step to line 5 (assuming that you are in line 1 and file is more than 5 lines). return to command mode then type 5G then return to insert
 e. Delete the line you are on and line 5. Return to the command mode and type dd then type 5G then type dd
 f. How to step to the end of line and change to writing mode in one-step
Press shift+[A] in command mode you will jump to end of the line then go insert mode.
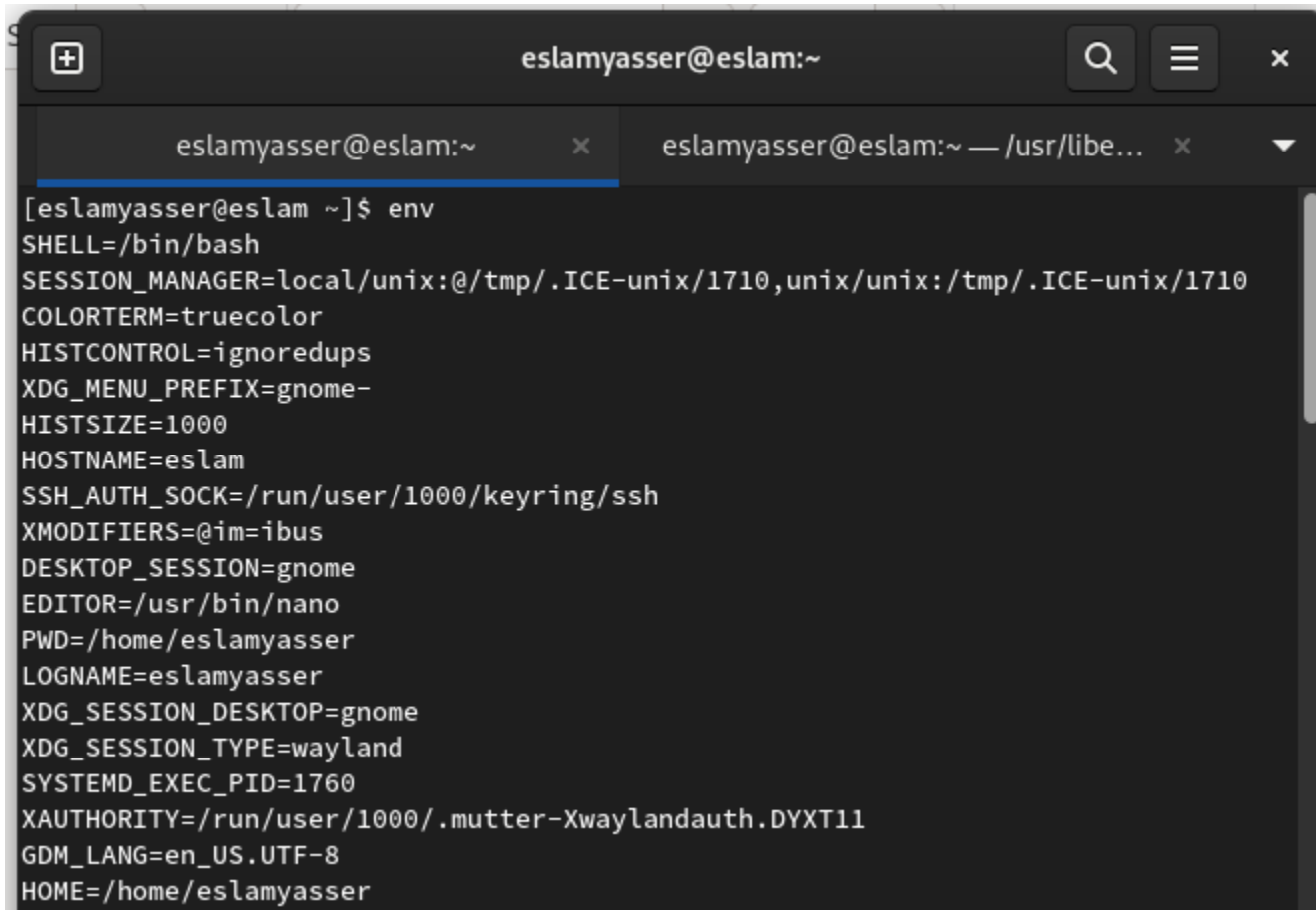
3. List the available shells in your system.

```
[eslamyasser@eslam ~]$ cat /etc/shells
/bin/sh
/bin/bash
/usr/bin/sh
/usr/bin/bash
/usr/bin/tmux
/bin/tmux
[eslamyasser@eslam ~]$
   sharing organizational
```

4. List the environment variables in your current shell.

```
/b.... cmux
[eslamyasser@eslam ~]$ printenv
SHELL=/bin/bash
SESSION_MANAGER=local/unix:@/tmp/.ICE-unix/1710,unix/unix:/tmp/.ICE-unix/1710
COLORTERM=truecolor
HISTCONTROL=ignoredups
XDG_MENU_PREFIX=gnome-
HISTSIZE=1000
HOSTNAME=eslam
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=gnome
EDITOR=/usr/bin/nano
PWD=/home/eslamyasser
LOGNAME=eslamyasser
XDG_SESSION_DESKTOP=gnome
XDG_SESSION_TYPE=wayland
SYSTEMD_EXEC_PID=1760
XAUTHORITY=/run/user/1000/.mutter-Xwaylandauth.DYXT11
GDM_LANG=en_US.UTF-8
HOME=/home/eslamyasser
USERNAME=eslamyasser
LANG=en_US.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd
=40;33;01:or=40;31;01:mi=01;37;41:su=37;41:sg=30;43:ca=00:tw=30;42:ow=34;42:st=3
7;44:ex=01;32:*.tar=01;31:*.tgz=01;31:*.arc=01;31:*.arj=01;31:*.taz=01;31:*.lha=
01;31:*.lz4=01;31:*.lzh=01;31:*.lzma=01;31:*.tlz=01;31:*.txz=01;31:*.tzo=01;31:*
.t7z=01;31:*.zip=01;31:*.z=01;31:*.dz=01;31:*.gz=01;31:*.lrz=01;31:*.lz=01;31:*.
lzo=01;31:*.xz=01;31:*.zst=01;31:*.tzst=01;31:*.bz2=01;31:*.bz=01;31:*.tbz=01;31
:*.tbz2=01;31:*.tz=01;31:*.deb=01;31:*.rpm=01;31:*.jar=01;31:*.war=01;31:*.ear=0
1;31:*.sar=01;31:*.rar=01;31:*.alz=01;31:*.ace=01;31:*.zoo=01;31:*.cpio=01;31:*.
7z=01;31:*.rz=01;31:*.cab=01;31:*.wim=01;31:*.swm=01;31:*.dwm=01;31:*.esd=01;31:
*.avif=01;35:*.jpg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.b
mp=01;35:*.pbm=01;35:*.pgm=01;35:*.ppm=01;35:*.tga=01;35:*.xbm=01;35:*.xpm=01;35
:*.tif=01;35:*.tiff=01;35:*.png=01;35:*.svg=01;35:*.svgz=01;35:*.mng=01;35:*.pcx
=01;35:*.mov=01;35:*.mpg=01;35:*.mpeg=01;35:*.m2v=01;35:*.mkv=01;35:*.webm=01;35
:*.webp=01;35:*.ogm=01;35:*.mp4=01;35:*.m4v=01;35:*.mp4v=01;35:*.vob=01;35:*.qt=
01.25.. nuv-01.25.. wmv-01.25.. asf-01.25.. rm-01.25.. rmvb-01.25.. flc-01.25..
```

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

```
[eslamyasser@eslam ~]$ env
SHELL=/bin/bash
SESSION_MANAGER=local/unix:@/tmp/.ICE-unix/1710,unix/unix:/tmp/.ICE-unix/1710
COLORTERM=truecolor
HISTCONTROL=ignoredups
XDG_MENU_PREFIX=gnome-
HISTSIZE=1000
HOSTNAME=eslam
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=gnome
EDITOR=/usr/bin/nano
PWD=/home/eslamyasser
LOGNAME=eslamyasser
XDG_SESSION_DESKTOP=gnome
XDG_SESSION_TYPE=wayland
SYSTEMD_EXEC_PID=1760
XAUTHORITY=/run/user/1000/.mutter-Xwaylandauth.DYXT11
GDM_LANG=en_US.UTF-8
HOME=/home/eslamyasser
```

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

```
[eslamyasser@eslam ~]$ echo $SHELL
/bin/bash
[eslamyasser@eslam ~]$
```

7. Display your current shell name.

```
[eslamyasser@eslam ~]$ echo $SHELL
/bin/bash
[eslamyasser@eslam ~]$
```
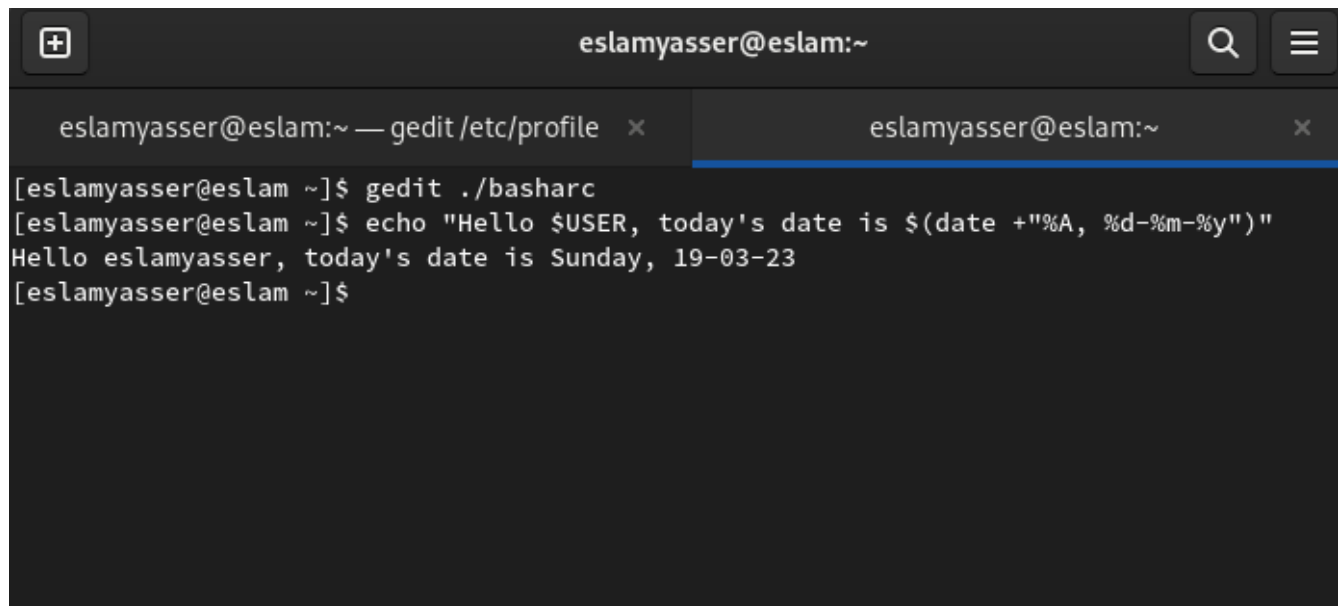
8. State the initialization files of: sh, ksh, bash
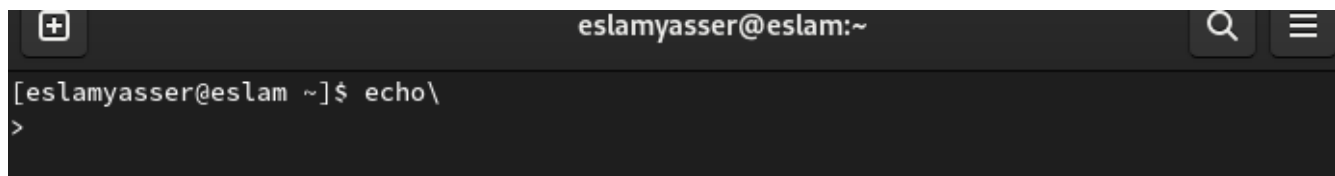
==~/.bash_profile, ~/.bash_login==

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

```
eslamyasser@eslam:~                                        Q  ≡

eslamyasser@eslam:~ — gedit /etc/profile  ×      eslamyasser@eslam:~              ×

[eslamyasser@eslam ~]$ gedit ./basharc
[eslamyasser@eslam ~]$ echo "Hello $USER, today's date is $(date +"%A, %d-%m-%y")"
Hello eslamyasser, today's date is Sunday, 19-03-23
[eslamyasser@eslam ~]$
```

10. Execute the following command :
echo \ then press enter

```
eslamyasser@eslam:~                                        Q  ≡

[eslamyasser@eslam ~]$ echo\
>
```

What is the purpose of \ ? ==pybass== echo execution make it waiting for read

```
[eslamyasser@eslam ~]$ echo\
>  "hello"
hello
```

Notice the prompt ">" what is that? ==(redirect Stdout) waiting to read "sonthing and print"==

and how can you change it from ">" to ":". by ==export PS1=":"==

```
[eslamyasser@eslam ~]$ export PS1=":"; echo\
>

:
:

:
```

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

```
[eslamyasser@eslam ~]$ alias ls="ls -l"
[eslamyasser@eslam ~]$ ls
total 48
-rw-r--r--. 1 eslamyasser eslamyasser      0 Mar 19 10:16 '='
-rw-r--r--. 1 eslamyasser eslamyasser   459 Mar 19 09:01 '\'
drwxr-xr-x. 2 eslamyasser eslamyasser  4096 Mar 18 14:37  Deskt
drwxr-xr-x. 4 eslamyasser eslamyasser  4096 Mar 18 15:31  Docum
drwxr-xr-x. 2 eslamyasser eslamyasser  4096 Mar 19 08:29  Downl
```