

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

```
My name is ahmed
my age is 23
my school is alazhar
collegy 6 october
experience in iot
```

~~~~~

:Wq

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

a. Move the cursor down one line at time?

With j

```
my name is ahmed
my age is 23
school is alazhar
```

```
"cv" 4 lines, 51 characters
```

b. Move the cursor up one line at time.

K

[illegible]

### c. Search for word age

[illegible]

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

```
my name is ahmed
school is alazhar
my experience in IOT
my age is 23
hello
my college is 6 oct
live in cairo
```

hello

```
my college is 6 oct
live in cairo
```

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

5

e. Delete the line you are on and line 5.

```
my name is ahmed
school is alazhar
my experience in IOT
my age is 23
hello
my college is 6 oct
live in cairo
```

hello

my college is 6 oct  
live in cairo

2

2

2

2

2

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2

2

2



~~~~~

: 5d

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

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**⚡ A**

3. List the available shells in your system.

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
```

4. List the environment variables in your current shell.

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ printenv
SHELL=/bin/bash
SESSION_MANAGER=local/ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:@/tmp/.ICE-unix/1682,unix/ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:/tmp/.ICE-unix/1682
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
XDG_MENU_PREFIX=gnome-
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
LC_ADDRESS=ar_EG.UTF-8
GNOME_SHELL_SESSION_MODE=ubuntu
LC_NAME=ar_EG.UTF-8
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu
LC_MONETARY=ar_EG.UTF-8
SSH_AGENT_PID=1644
GTK_MODULES=gail:atk-bridge
PWD=/home/ahmed
LOGNAME=ahmed
XDG_SESSION_DESKTOP=ubuntu
XDG_SESSION_TYPE=x11
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
XAUTHORITY=/run/user/1000/gdm/Xauthority
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ env
SHELL=/bin/bash
SESSION_MANAGER=local/ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:@/tmp/.ICE-unix/1682,unix/ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:/tmp/.ICE-unix/1682
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
XDG_MENU_PREFIX=gnome-
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
LC_ADDRESS=ar_EG.UTF-8
GNOME_SHELL_SESSION_MODE=ubuntu
LC_NAME=ar_EG.UTF-8
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu
LC_MONETARY=ar_EG.UTF-8
SSH_AGENT_PID=1644
GTK_MODULES=gail:atk-bridge
PWD=/home/ahmed
LOGNAME=ahmed
XDG_SESSION_DESKTOP=ubuntu
XDG_SESSION_TYPE=x11
GPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
XAUTHORITY=/run/user/1000/gdm/Xauthority
```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ echo $HOME
/home/ahmed
```

7. Display your current shell name.

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ echo $SHELL
/bin/bash
```

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

~/.profile

~/.bash\_profile or ~/.bash\_login

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ ~/.profile
bash: /home/ahmed/.profile: Permission denied
```

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

```
Hello ahmed, today's date is 23-03-19 ,الأحد
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~/Desktop$
```

10. Execute the following command :

echo \ then press enter

What is the purpose of \ ?

pass the command

escape character in various

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

```
Hello ahmed, today's date is 23-03-19 ,الأحد
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~/Desktop$ export PS1=":"
:

```

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

```
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ alias ls="ls -l"
ahmed@ahmed-VivoBook-ASUSLaptop-X515JP-X515JP:~$ ls
total 64
-rw-rw-r-- 1 ahmed ahmed 111 15:10 19 مار cv
-rw-rw-r-- 1 ahmed ahmed 88 14:33 19 مار CV
drwxr-xr-x 2 ahmed ahmed 4096 14:46 19 مار Desktop
drwxrwxr-x 3 ahmed ahmed 4096 06:00 15 مار dir1
drwxrwxr-x 2 ahmed ahmed 4096 04:20 15 مار docs

```