

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

```
nader@nader-Latitude-E5530-vPro:~$ touch mycv
nader@nader-Latitude-E5530-vPro:~$ ls
default  docs      file      myteam    Pictures  Templates
default0 Documents Music    oldpasswd Public     Videos
Desktop  Downloads mycv     passwd    snap
nader@nader-Latitude-E5530-vPro:~$ vi mycv
nader@nader-Latitude-E5530-vPro:~$ vi mycv
nader@nader-Latitude-E5530-vPro:~$
```

```
nader@nader-Latitude-E5530-vPro: ~
My name is nader sayed ahmed
30 years
studied industrial engineering in modernacademy
my favourite sports football and basketball
i love programming and modern tech.
~
~
~
```

2. Open mycv file using vi command then: Without using arrows state how to:
 - a. Move the cursor down one line at time. **press j button in command mode**
 - b. Move the cursor up one line at time. **press the k button in command mode**
 - c. Search for word age **/age then & enter**
 - d. Step to line 5 (assuming that you are in line 1 and file is more than 5 lines).
Press 5 in command mode **:5**
 - e. Delete the line you are on and line 5.
dd to delete the line number 5 that we are on it or 5d
 - 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.

```
nader@nader-Latitude-E5530-vPro:~$ 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
nader@nader-Latitude-E5530-vPro:~$
```

4. List the environment variables in your current shell.

A screenshot of a Linux terminal window titled "nader@nader-Latitude-E5530-vPro: ~". The terminal displays the output of the `printenv` command, listing various environment variables such as SHELL, SESSION_MANAGER, QT_ACCESSIBILITY, COLORTERM, XDG_CONFIG_DIRS, XDG_MENU_PREFIX, GNOME_DESKTOP_SESSION_ID, LC_ADDRESS, GNOME_SHELL_SESSION_MODE, LC_NAME, SSH_AUTH_SOCK, XMODIFIERS, DESKTOP_SESSION, LC_MONETARY, SSH_AGENT_PID, GTK_MODULES, PWD, LOGNAME, XDG_SESSION_DESKTOP, XDG_SESSION_TYPE, GPG_AGENT_INFO, XAUTHORITY, GJS_DEBUG_TOPICS, WINDOWPATH, HOME, USERNAME, IM_CONFIG_PHASE, LC_PAPER, LANG, LS_COLORS, and many others. The terminal interface includes standard Ubuntu icons on the left and window controls on the right.

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

A screenshot of a terminal window titled "Activities" and "Terminal". The terminal shows the command prompt "nader@nader-Latitude-E5530-vPro: ~" and the command "env". The output lists various environment variables such as SHELL, SESSION_MANAGER, QT_ACCESSIBILITY, COLORTERM, XDG_CONFIG_DIRS, XDG_MENU_PREFIX, GNOME_DESKTOP_SESSION_ID, LC_ADDRESS, GNOME_SHELL_SESSION_MODE, LC_NAME, SSH_AUTH_SOCK, XMODIFIERS, DESKTOP_SESSION, LC_MONETARY, SSH_AGENT_PID, GTK_MODULES, PWD, LOGNAME, XDG_SESSION_DESKTOP, XDG_SESSION_TYPE, GPG_AGENT_INFO, XAUTHORITY, GJS_DEBUG_TOPICS, WINDOWPATH, H, IM_CONFIG_PHASE, LC_PAPER, LANG, and LS_COLORS. The window has a dark theme and standard Linux window controls.

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

```
nader@nader-Latitude-E5530-vPro:~$ echo $HOME
/home/nader
nader@nader-Latitude-E5530-vPro:~$
```

7. Display your current shell name.

```
echo "$SHELL"
```

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

```
nader@nader-Latitude-E5530-vPro:~$ /etc/profile
bash: /etc/profile: Permission denied
nader@nader-Latitude-E5530-vPro:~$
```

```
~/.profile
```

```
~/.bash_profile
```

```
~/.bash_login
```

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

The image shows a Linux desktop environment. On the left is a vertical dock with icons for Firefox, a mail client, a file manager, a media player, a document viewer, an application store, a help icon, and a terminal. The top panel displays 'Activities', 'Text Editor', and the system clock '18:17 19 مارس'. The main window is a text editor titled '.bashrc' with a dark theme. The editor contains a bash configuration script with line numbers 82 through 109. The script defines aliases for grep, fgrep, and egrep, sets colored GCC warnings and errors, lists some ls aliases, adds an 'alert' alias for long commands, and enables programmable completion features. Below the text editor, a large ASCII art message is displayed in a terminal-like font: 'Hello nader, today's date is 23-03-19, الأحد, nader@nader-Latitude-E5530-vPro:~\$'. The bottom status bar shows 'sh', 'Tab Width: 8', 'Ln 1, Col 1', and 'INS'.

Gedit ~/.bashrc

10. Execute the following command :

```
echo \ then press enter
```

What is the purpose of \ ?

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

“ \ ” is to use the essential command and ignore the alias

```
nader@nader-Latitude-E5530-vPro:~$ alias >=:
nader@nader-Latitude-E5530-vPro:~$
```

11. Create a Bash shell alias named `ls` for the “`ls -l`” command

```
alias ls = 'ls -l'
```

```
nader@nader-Latitude-E5530-vPro:~$ alias ls = 'ls -l'
alias ls='ls --color=auto'
bash: alias: =: not found
bash: alias: 'ls: not found
bash: alias: -l': not found
nader@nader-Latitude-E5530-vPro:~$
```