

Lab3

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

```
sarah@sarah-HP-ZBook-15-G2:~$ vi mycv
sarah@sarah-HP-ZBook-15-G2:~$ ls -l mycv
-rw-rw-r-- 1 sarah sarah 114 16:29 19 مار mycv
sarah@sarah-HP-ZBook-15-G2:~$ cat mycv
my name is : sarah
age: 25
school : collage of science ainshams
experience : java android sql os .....

sarah@sarah-HP-ZBook-15-G2:~$
```

```
my name is : sarah
age: 25
school : collage of science ainshams
experience : java android sql os .....
~
~
~
~
```

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

a. Move the cursor down one line at time.

To move down print k

b. Move the cursor up one line at time.

To move down print k

c. Search for word age

```
my name is : sarah
age: 25
school : collage of science ainshams
experience : java android sql os .....
```

search hit BOTTOM, continuing at TOP

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

```
my name is : sarah
age: 25
school : collage of science ainshams
experience : java android sql os .....
i idkxmxmxlxlx
kkxmxmx
```

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

enter dd

```

age: 25
school : collage of science ainshams
experience : java android sql os .....
ckxmxmx

```

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

Esc + A

3. List the available shells in your system.

```
sarah@sarah-HP-ZBook-15-G2:~$ vi mycv
sarah@sarah-HP-ZBook-15-G2:~$ 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
sarah@sarah-HP-ZBook-15-G2:~$
```

4. List the environment variables in your current shell.

```

usr/bin/dash
sarah@sarah-HP-ZBook-15-G2:~$ printenv
HELL=/bin/bash
SESSION_MANAGER=local/sarah-HP-ZBook-15-G2:@/tmp/.ICE-unix/1822,unix/sarah-HP-ZBook-15-G2:/tmp/.ICE-unix/1822
XACCESSIBILITY=1
XCOLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
XDG_MENU_PREFIX=gnome-
XNOME_DESKTOP_SESSION_ID=this-is-deprecated
XCURSOR_ADDRESS=ar_EG.UTF-8
XNOME_SHELL_SESSION_MODE=ubuntu
XCURSOR_NAME=ar_EG.UTF-8
XSSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
XDESKTOP_SESSION=ubuntu
XCURSOR_MONETARY=ar_EG.UTF-8
XSSH_AGENT_PID=1786
XGTK_MODULES=gail:atk-bridge
XWD=/home/sarah
XGNAME=sarah
XDG_SESSION_DESKTOP=ubuntu
XDG_SESSION_TYPE=x11
XPG_AGENT_INFO=/run/user/1000/gnupg/S.gpg-agent:0:1
XAUTHORITY=/run/user/1000/gdm/Xauthority
XJS_DEBUG_TOPICS=JS ERROR;JS LOG
XWINDOWPATH=2
XHOME=/home/sarah
XUSER=sarah
XDM_CONFIG_PHASE=1
XCURSOR_PAPER=ar_EG.UTF-8
XCURSOR_LANG=en_US.UTF-8
XCURSOR_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:c=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;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=01;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:*.jpg=01;35:*.jpeg=01;35:*.mjpg=01;35:*.mjpeg=01;35:*.gif=01;35:*.bmp=01;

```

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

```

    printf %s "$ret"
}
sarah@sarah-HP-ZBook-15-G2:~$ env
SHELL=/bin/bash
SESSION_MANAGER=local/sarah-HP-ZBook-15-G2:@/tmp/.ICE-unix/1822,un
Book-15-G2:/tmp/.ICE-unix/1822
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=1786
GTK_MODULES=gail:atk-bridge
PWD=/home/sarah
LOGNAME=sarah
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
GJS_DEBUG_TOPICS=JS ERROR;JS LOG

```

```

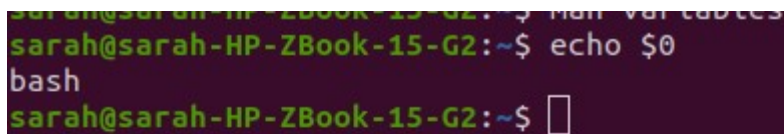
sarah@sarah-HP-ZBook-15-G2:~$ set
BASH=/usr/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extglob:extquot
e:force_fignore:globasciiranges:histappend:interactive_comments:progcomp:prompt
vars:sourcepath
BASH_ALIASES=()
BASH_ARGC=([0]="0")
BASH_ARGV=()
BASH_CMDS=()
BASH_COMPLETION_VERSION=([0]="2" [1]="10")
BASH_LINENO=()
BASH_SOURCE=()
BASH_VERSION=([0]="5" [1]="0" [2]="17" [3]="1" [4]="release" [5]="x86_64-pc-li
nux-gnu")
BASH_VERSION='5.0.17(1)-release'
COLORTERM=truecolor
COLUMNS=79
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus
DESKTOP_SESSION=ubuntu
DIRSTACK=()
DISPLAY=:0
EUID=1000
GDMSESSION=ubuntu
GJS_DEBUG_OUTPUT=stderr
GJS_DEBUG_TOPICS='JS ERROR;JS LOG'
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
GNOME_SHELL_SESSION_MODE=ubuntu

```

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

Echo "\$ var_name"

7. Display your current shell name.

A terminal window with a dark purple background. The prompt is 'sarah@sarah-HP-ZBook-15-G2:~\$'. The user has entered 'echo \$0' and the output 'bash' is displayed on the next line. The prompt is now 'sarah@sarah-HP-ZBook-15-G2:~\$' followed by a cursor.

```
sarah@sarah-HP-ZBook-15-G2:~$ echo $0
bash
sarah@sarah-HP-ZBook-15-G2:~$
```

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

~/.profile

~/.bash_profile or

~/.bash_login

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

```
echohello sarah :) , today is , date is 23-03-19,الأحد: command not found
sarah@sarah-HP-ZBook-15-G2:~$
```

```
if [ "$(id -u)" -eq 0 ]; then
    PS1='# '
else
    PS1='$ '
fi
fi
fi

if [ -d /etc/profile.d ]; then
    for i in /etc/profile.d/*.sh; do
        if [ -r $i ]; then
            . $i
        fi
    done
    ps1="I am sarah :) "
    unset i
fi
```

10. Execute the following command :

echo \ then press enter

What is the purpose of \ ?

```
sarah@sarah-HP-ZBook-15-G2:~$ echo\
>
```

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

it insert the command to hold on (waiting) for the next string to be execute

```
searching for commands not found
sarah@sarah-HP-ZBook-15-G2:~$ echo \
> hello
hello
sarah@sarah-HP-ZBook-15-G2:~$
```

change it to : by echo \: end enter

```
hello
sarah@sarah-HP-ZBook-15-G2:~$ echo \:
:
sarah@sarah-HP-ZBook-15-G2:~$
```

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

```
[root@localhost ~]# passwd -l sarah
sarah@sarah-HP-ZBook-15-G2:~$ l
Desktop/  Documents/  mycv      newfile    Public/    testdir/
dir1/     Downloads/  myteam/   oldpasswd* snap/       Videos/
docs/     Music/      newdir/   Pictures/   Templates/
sarah@sarah-HP-ZBook-15-G2:~$
```