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

```
+------------------My CV----------------------
Name: Mohamed Ahmed
Age:28
School:ITI
college:BIS
Experience:Python developer
skills:---
*HTML
*JS
*SQL
*CSS
*Python
*CSS

~
~
~
~
~
~
~
~
mycv                                           1,1            All
```

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

a. Move the cursor down one line at time. [J]

b. Move the cursor up one line at time. [K]

c. Search for word age. [set ic][:/age]

d. Step to line 5 .[5G]

e. Delete the line you are on and line 5.[:.d|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.

```
sok    …/Desktop/red-lab1/docs      14:40    cat /etc/shells

       File: /etc/shells

  1    # /etc/shells: valid login shells
  2    /bin/sh
  3    /bin/bash
  4    /usr/bin/bash
  5    /bin/rbash
  6    /usr/bin/rbash
  7    /usr/bin/sh
  8    /bin/dash
  9    /usr/bin/dash
```

4. List the environment variables in your current shell.

```
OLDPWD=/home/sok/Desktop/red-lab1

sok    …/Desktop/red-lab1/docs      14:50    evn
bash: evn: command not found

sok    …/Desktop/red-lab1/docs      14:50    env
SHELL=/bin/bash
SESSION_MANAGER=local/sok-HP-Compaq-Pro-6300-MT:@/tmp/.ICE-unix/1780,unix/sok-HP
-Compaq-Pro-6300-MT:/tmp/.ICE-unix/1780
QT_ACCESSIBILITY=1
COLORTERM=truecolor
XDG_CONFIG_DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
SSH_AGENT_LAUNCHER=gnome-keyring
HISTCONTROL=erasedups:ignoredups:ignorespace
XDG_MENU_PREFIX=gnome-
```

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

```
sok    /etc      15:11    set | head -10
AUTOJUMP_ERROR_PATH=/home/sok/.local/share/autojump/errors.log
AUTOJUMP_SOURCED=1
BASH=/usr/bin/bash
BASHOPTS=checkwinsize:cmdhist:complete_fullquote:expand_aliases:extglob:extquot
:force_fignore:globasciiranges:histappend:interactive_comments:progcomp:promptv
rs:sourcepath
BASH_ALIASES=()
BASH_ARGC=([0]="0")
BASH_ARGV=()
BASH_CMDS=()
BASH_COMPLETION_VERSINFO=([0]="2" [1]="11")
BASH_LINENO=()
```

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

```
sok    /etc       15:13    echo $HOME
/home/sok
```

7-Display your current shell name.

```
sok    /etc       15:27    echo $0
bash
```

8- State the initialization files of: sh, ksh, bash.
1- sh bourne shell:
    for sys wide==> /*etc*/ profile
    for every user==> ~/.profile
2 – ksh korn shell:
    for sys wide==> /*etc*/ profile
    for every user==> ~/.profile
3-bash bourne again shell:
    For sys wide:
    interactive login shell ==>/etc/profile | /*etc*/.bashrc
    interactive non login shell ==>/etc/profile

    For every user:
    interactive login shell ==>~/.profile | ~/.bashrc
    interactive non login shell ==>/etc/profile /*etc*/.bashrc

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

```
sok    ~/Desktop      14:00    su – test
Password:
Welcome test its Fri 22 Dec 2023 02:01:05 PM EET ^_^
Hello this test user for Red-Hat==> $ 
```

10.Execute the following command :

\ <==== for multi-line commands

```
Hello this test user for Red-Hat==> $ \
moreLinesComm=>
```

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

```
moreLinesComm=>ls
total 4
drwxrwxr-x 2 test test 4096 Dec 21 16:09 test2024
Hello this test user for Red-Hat==> $
```