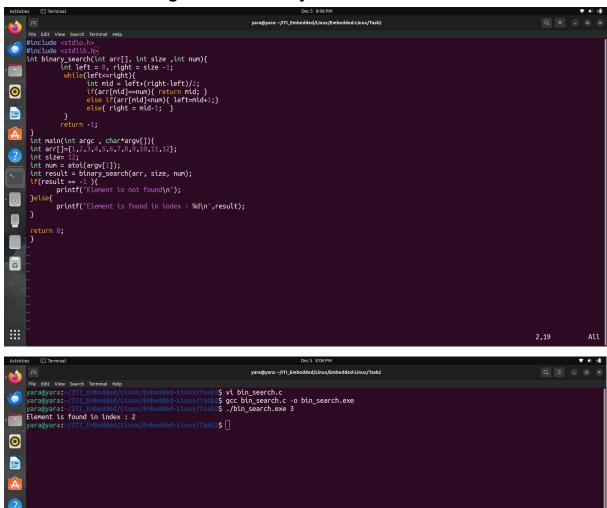
1. Ques1: Using VI editor only



## 2. Question 2

- Because we include the directory "usr/local/bin"to environment variable => "PATH"
- it becomes accessible for execution from any directory because the shell knows to look in /usr/local/bin when searching for executable files.



### 3. Na2na2a:

a. List available shell

```
yara@yara:~$ cat /etc/shells

# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/usr/bin/rbash
/usr/bin/sh
/usr/bin/sh
/usr/bin/dash
/usr/bin/dash
/usr/bin/dash
/usr/bin/dash
```

### b. List the environment variables

```
yara@yara:~$ env
SHELL=/bin/bash
SESSION MANAGER=local/yara:@/tmp/.ICE-unix/2056,unix/yara:/tmp/.ICE-unix/2056
OT ACCESSIBILITY=1
COLORTERM=truecolor
XDG CONFIG DIRS=/etc/xdg/xdg-ubuntu:/etc/xdg
SSH_AGENT_LAUNCHER=gnome-keyring
XDG_MENU_PREFIX=gnome-
GNOME_DESKTOP_SESSION_ID=this-is-deprecated
GTK_IM_MODULE=ibus
LC_ADDRESS=en_CA.UTF-8
GNOME_SHELL_SESSION_MODE=ubuntu
LC_NAME=en_CA.UTF-8
SSH_AUTH_SOCK=/run/user/1000/keyring/ssh
XMODIFIERS=@im=ibus
DESKTOP_SESSION=ubuntu
LC MONETARY=en CA.UTF-8
GTK_MODULES=gail:atk-bridge
PWD=/home/yara
LOGNAME=yara
```

# c. Display your current shell

```
yara@yara:~$ echo $SHELL
/bin/bash
yara@yara:~$
```

### d. execute echo \

what is the purpose? It allows you to break up long commands into multiple lines, making it easier to read and write complex commands.

```
File Edit View Search Terminal Help
yara@yara:~$ echo \
> hello \
> world
hello world
yara@yara:~$
```

### e. create PrintPath

```
File Edit View Search Terminal Help

yara@yara:-$ alias PrintPath="echo $PATH"

yara@yara:-$ PrintPath

/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin:/usr/local/bin/yara@yara:-$
```