

# Admin Linux Task2

Q1:4:

```
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task2$ gcc BinarySearchAPP.c -o BinarySearchAPP.out
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task2$ ./BinarySearchAPP.out
Found the element at index 8
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task2$
```

Q2:

```
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task2$ sudo mv ./BinarySearchAPP.out /usr/local/bin
[sudo] password for alaa:
alaa@alaaHP:~/Embedded-Linux/AdminLinux_Task2$
```

```
alaa@alaaHP:~/docs$ cd ~
alaa@alaaHP:~$ BinarySearchAPP.out
Found the element at index 8
alaa@alaaHP:~$ cd dir1
alaa@alaaHP:~/dir1$ BinarySearchAPP.out
Found the element at index 8
alaa@alaaHP:~/dir1$ cd ~/snap
alaa@alaaHP:~/snap$ BinarySearchAPP.out
Found the element at index 8
alaa@alaaHP:~/snap$ cd ~/docs
alaa@alaaHP:~/docs$ BinarySearchAPP.out
Found the element at index 8
alaa@alaaHP:~/docs$ cd ~/Embedded-Linux
bash: /home/alaa/Embedded-Linux: Is a directory
alaa@alaaHP:~/docs$ cd ~/Embedded-Linux
alaa@alaaHP:~/Embedded-Linux$ BinarySearchAPP.out
Found the element at index 8
```

usr/local/bin contains the executable programs that are not managed by a distribution package. And this directory is assigned in the PATH global variable which lists directories where executable programs are located.

```
alaa@alaaHP:~$ echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin
alaa@alaaHP:~$
```