

Cuong Hoang

CSC3320 System Level Programming

Lab Assignment 6 – Part 2 – Post Lab

Part A:

Question 1:

```
[choang7@gsuad.gsu.edu@snowball ~]$ ./foo.sh
x=14
[choang7@gsuad.gsu.edu@snowball ~]$
```

Question 2:

In the while loop,

The first iteration $i = 1$:

$s = 1 * 1 = 1$

$x = 1 + 0 = 1$

i increment by 1 $\rightarrow i = 2$

The second iteration $i = 2$:

$s = 2 * 2 = 4$

$x = 4 + 1 = 5$

i increment by 1 $\rightarrow i = 3$

The third and final iteration $i = 3$:

$s = 3 * 3 = 9$

$x = 9 + 5 = 14$

i increment by 1 $\rightarrow i = 4$

$i = 4$ does not satisfy the condition in the while loop \rightarrow exit the loop

echo the variable x , which is 14.

Part B:

```
[choang7@gsuad.gsu.edu@snowball ~]$ vi foo.sh
[choang7@gsuad.gsu.edu@snowball ~]$ ./foo.sh 5
x=55
[choang7@gsuad.gsu.edu@snowball ~]$
```

Part C:

```
[choang7@gsuad.gsu.edu@snowball ~]$ vi foo.sh
[choang7@gsuad.gsu.edu@snowball ~]$ ./foo.sh
please input a number
5
x=55
[choang7@gsuad.gsu.edu@snowball ~]$
```

Part D:

Source code of foo.java:

[illegible]

Output:

```
[choang7@gsuad.gsu.edu@snowball ~]$ javac foo.java
[choang7@gsuad.gsu.edu@snowball ~]$ java foo
14
[choang7@gsuad.gsu.edu@snowball ~]$
```

Part E:

Question 1:

```
[choang7@gsuad.gsu.edu@snowball ~]$ ./a.out
Hello,world
[choang7@gsuad.gsu.edu@snowball ~]$
```

Question 2:

```
[choang7@gsuad.gsu.edu@snowball ~]$ cc -o hello hello.c
[choang7@gsuad.gsu.edu@snowball ~]$ ls
a.out      checkError.sh  foo.java  hello      Lab3      RealEstate.csv  test
backup     csc3320        foo.sh    hello.c    Lab4      Result          test.txt
backup.tar foo.class      h2.awk    hello.sh   public    simple.sh
[choang7@gsuad.gsu.edu@snowball ~]$
```

The new file is 'hello'.

Question 3:

```
[choang7@gsuad.gsu.edu@snowball ~]$ ./hello
Hello,world
[choang7@gsuad.gsu.edu@snowball ~]$
```

Question 4:

```
[choang7@gsuad.gsu.edu@snowball ~]$ vi myName.c
[choang7@gsuad.gsu.edu@snowball ~]$ cc -o myName myName.c
[choang7@gsuad.gsu.edu@snowball ~]$ ./myName
My name is Cuong Hoang
[choang7@gsuad.gsu.edu@snowball ~]$
```

The source code:

[illegible]