

1.

```
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ vi foo.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ chmod a+x foo.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ ./foo.sh
x=14
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$
```

2. # /bin/bash

#

#foo.sh in Part A of Lab 6 – Part 1

#

x=0 #initialization x = 0

i=1 #initialize i=1 to use it as counter for loop

while [\$i -le 3] # while(i<=3) run the loop till i<=3 that means loop will run 3 times
do

s=`expr \$i * \$i` #s=i*I s = 1 in first iteration, s = 4 in second iteration, s = 9 in third
iteration

x=`expr \$s + \$x` #x=s+x, x = 1 in first iteration, x=5 in second iteration, x = 14 in third
iteration

i=`expr \$i + 1` #i=i+1 #increment I by 1

done

echo x=\$x #print x whose value is 14

PART B

3.

```
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ vi foo.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ ./foo.sh
x=1
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$
```

PART C

4.

```
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ vi foo.sh
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$ ./foo.sh
please input a number
5
x=55
[sbrahmhatt3@gsuad.gsu.edu@snowball ~]$
```

PART D

5.

```
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ vi foo.java
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ javac foo.java
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ java foo
x=14
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ █
```

PART E

6.

```
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ vi hello.c
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ gcc hello.c
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ ./a.out
Hello,world
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ █
```

7.

```
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ gcc -o hello hello.c
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ ./hello
Hello,world
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ █
```

8.

```
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ vi myName.c
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ gcc myName.c
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ ./a.out
My name is Shiv Brahmhatt
[sbrahmbhatt3@gsuad.gsu.edu@snowball ~]$ █
```