

1)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ sh foo.sh  
x=14
```

2)

The shell scrip adds up the squares of the values 1, 2, and 3; so $1+4+9 = 14$

3)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ sh foo.sh 5  
x=55
```

4)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ sh foo.sh  
please input a number  
5  
x=55
```

5)

```
import java.util.Scanner;  
class foo {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter a number");  
        int num = sc.nextInt();  
        int x = 0;  
        int i = 1;  
        while(i <= num){  
            int s = i * i;  
            x += s;  
            i++;  
        }  
        System.out.println("x="+x);  
    }  
}
```

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ java foo  
Enter a number  
5  
x=55
```

6)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ cc hello.c
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ls
a.out      csc3320    foo.java  hello.c   Lab3  Main.class  Result
checkError.sh  foo.class  foo.sh    hello.sh  Lab4  public      simple.sh
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ./a.out
Hello,world
[rsutradhar1@gsuad.gsu.edu@snowball ~]$
```

7) The new file is "hello"

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ls
a.out      csc3320    foo.java  hello     hello.sh  Lab4      public  simple.sh
checkError.sh  foo.class  foo.sh    hello.c   Lab3      Main.class  Result
[rsutradhar1@gsuad.gsu.edu@snowball ~]$
```

8)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ./hello
Hello,world
```

9)

```
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ cc myName.c
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ la
-bash: la: command not found
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ls
a.out      csc3320    foo.java  hello     hello.sh  Lab4      myName.c  Result
checkError.sh  foo.class  foo.sh    hello.c   Lab3      Main.class  public    simple.sh
[rsutradhar1@gsuad.gsu.edu@snowball ~]$ ./a.out
My name is Razat Sutradhar
[rsutradhar1@gsuad.gsu.edu@snowball ~]$
```