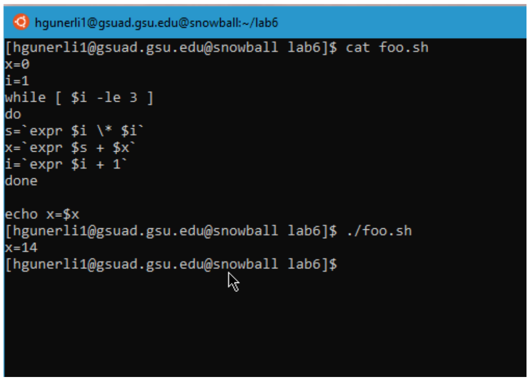
002504797 Hakan Gunerli SYS

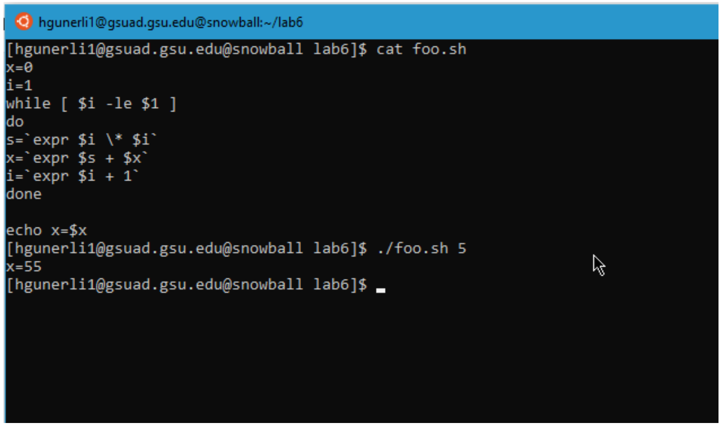
PART A:



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat foo.sh
x=0
i=1
while [ $i -le 3 ]
do
s=`expr $i \* $i`
x=`expr $s + $x`
i=`expr $i + 1`
done

echo x=$x
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./foo.sh
x=14
[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

This code is essentially squaring I value and adding that to the x value, then increasing I value until it is equal to 3.

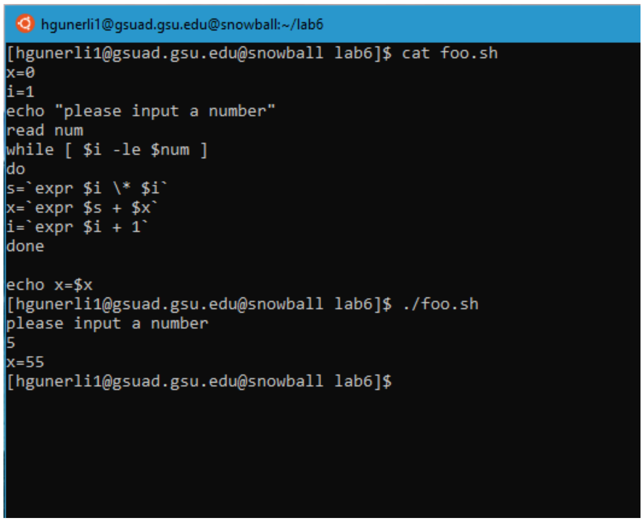
PART B:



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat foo.sh
x=0
i=1
while [ $i -le $1 ]
do
s=`expr $i \* $i`
x=`expr $s + $x`
i=`expr $i + 1`
done

echo x=$x
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./foo.sh 5
x=55
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ 
```

This code is essentially squaring I value and adding that to the x value, then increasing I value until it is equal to 5 instead of 3.

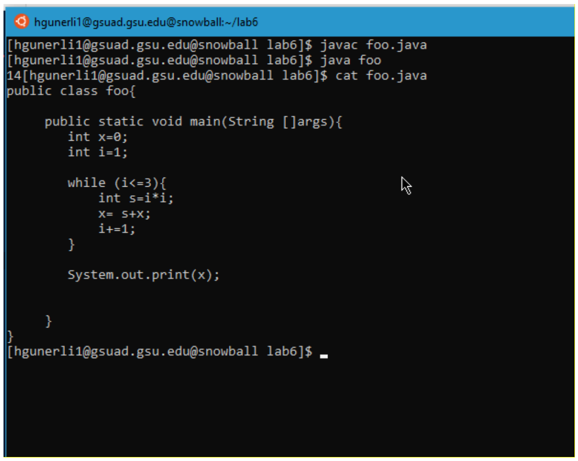
PART C:



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat foo.sh
x=0
i=1
echo "please input a number"
read num
while [ $i -le $num ]
do
s=`expr $i \* $i`
x=`expr $s + $x`
i=`expr $i + 1`
done

echo x=$x
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./foo.sh
please input a number
5
x=55
[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

This will ask for the user input for the while counter.

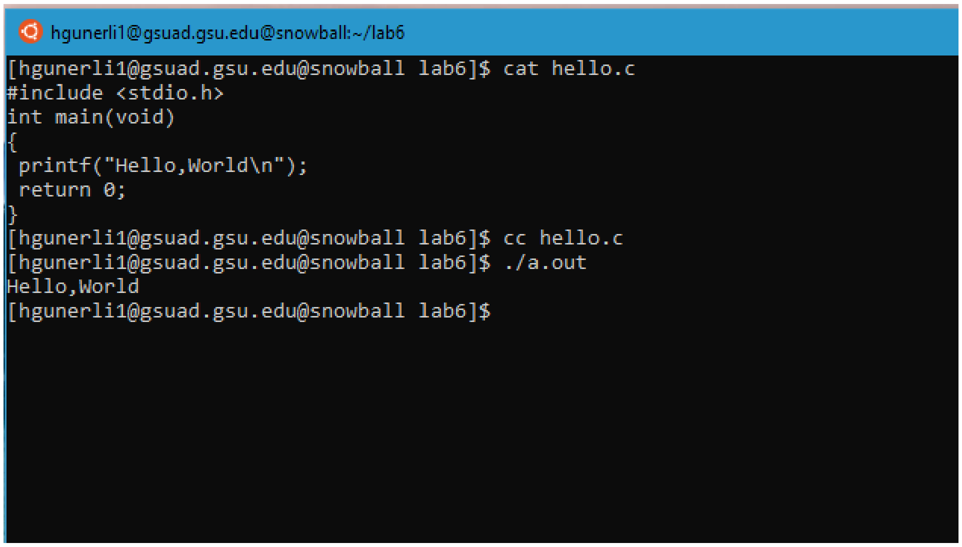
Part D:



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ javac foo.java
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ java foo
14[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat foo.java
public class foo{

     public static void main(String []args){
        int x=0;
        int i=1;

        while (i<=3){
            int s=i*i;
            x= s+x;
            i+=1;
        }

        System.out.print(x);


     }
}
[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

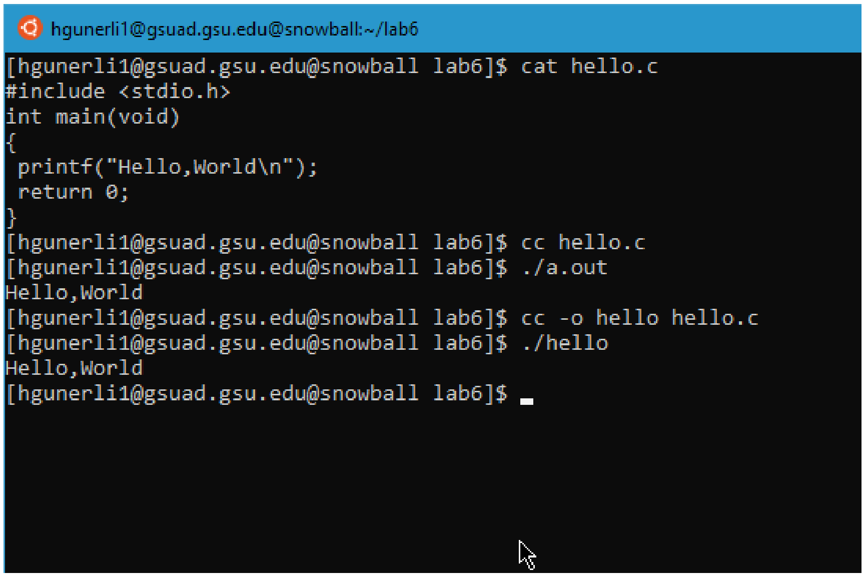
```
public class Foo{

     public static void main(String []args){
        int x=0;
        int i=1;

        while (i<=3){
            int s=i*i;
            x= s+x;
            i+=1;
        }

        System.out.print(x);
        }
 }
```

Part E:



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat hello.c
#include <stdio.h>
int main(void)
{
 printf("Hello,World\n");
 return 0;
}
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cc hello.c
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./a.out
Hello,World
[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

`a.out output.`



```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat hello.c
#include <stdio.h>
int main(void)
{
 printf("Hello,World\n");
 return 0;
}
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cc hello.c
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./a.out
Hello,World
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cc -o hello hello.c
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./hello
Hello,World
[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

This will create a file called hello instead of making the output named a.out

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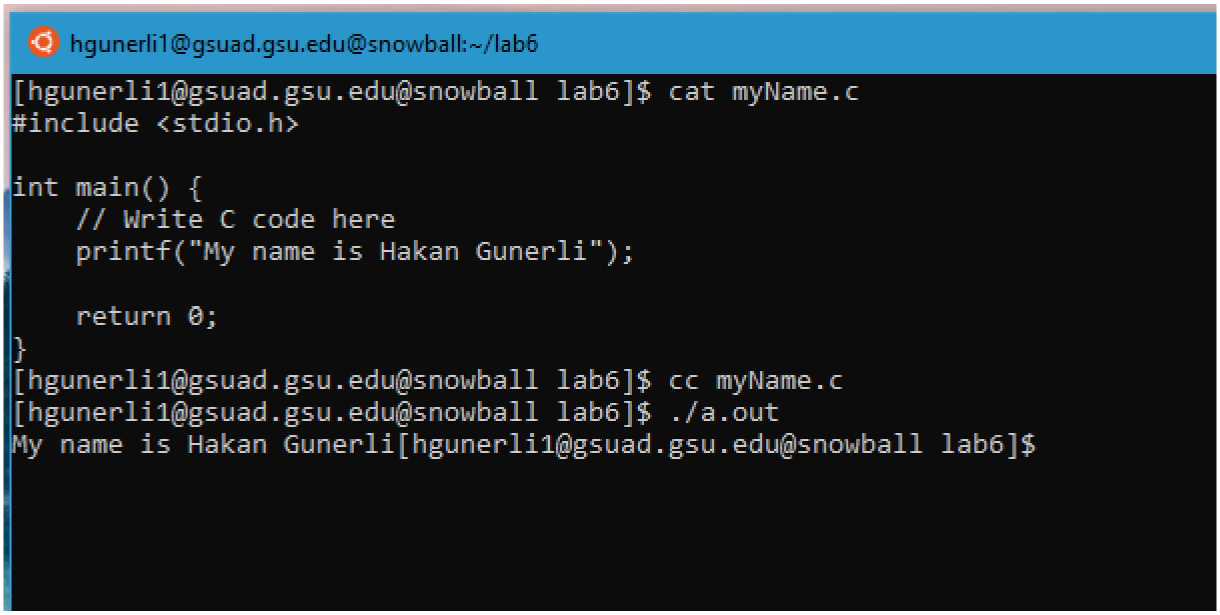

```
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cat myName.c
#include <stdio.h>

int main() {
    // Write C code here
    printf("My name is Hakan Gunerli");

    return 0;
}
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ cc myName.c
[hgunerli1@gsuad.gsu.edu@snowball lab6]$ ./a.out
My name is Hakan Gunerli[hgunerli1@gsuad.gsu.edu@snowball lab6]$
```

```
//myName.c
#include <stdio.h>
int main() {
printf("My name is Hakan Gunerli");
return 0;
}
```