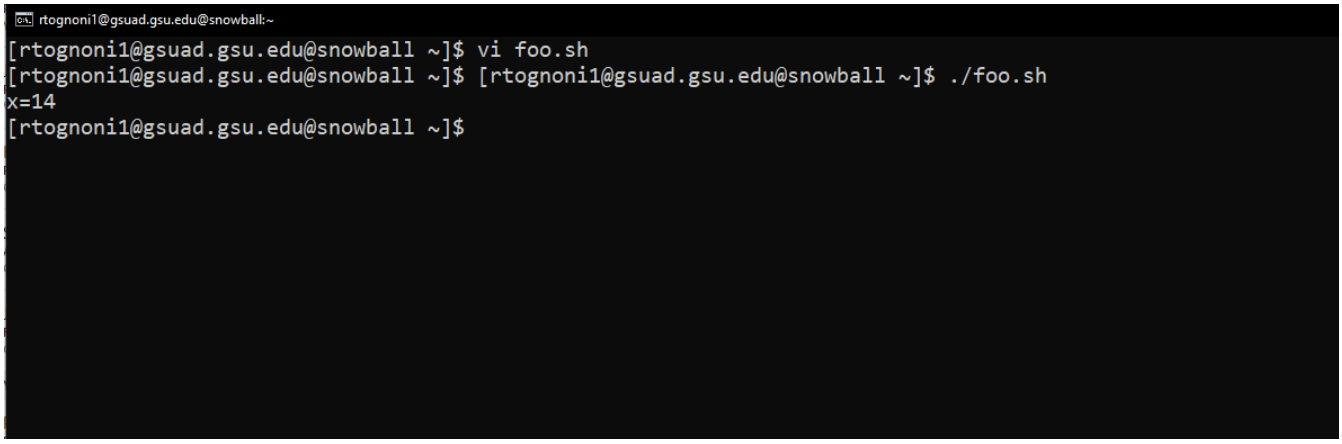
Robert Tognoni
CSC3320 System Level Programming
Lab Assignment 6 - Part 2 - Post Lab

Questions:

1) Attach a screenshot of the output in step 4.



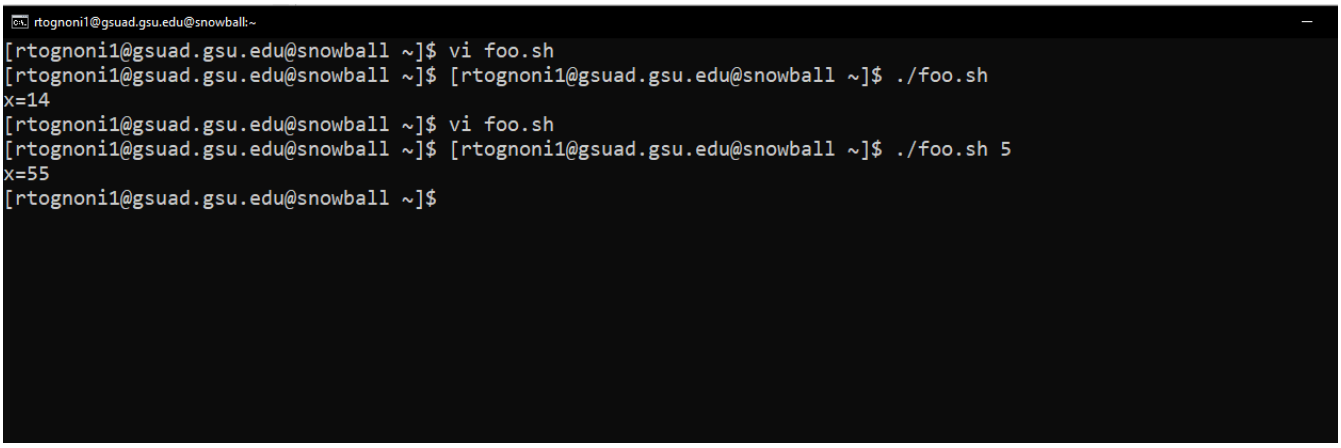
See google classroom attachment labeled Q1

2) Describe what does the shell script **foo.*sh*** do?

foo.sh sets x to 0 and i to 1 initially. A while loop with the condition of i <= 3 will run and increment i. It also sets a variable s to i^2 and x is updated to s + x. The final result is x = 14 which is printed to output in the format "x={value of x}"

Part B:

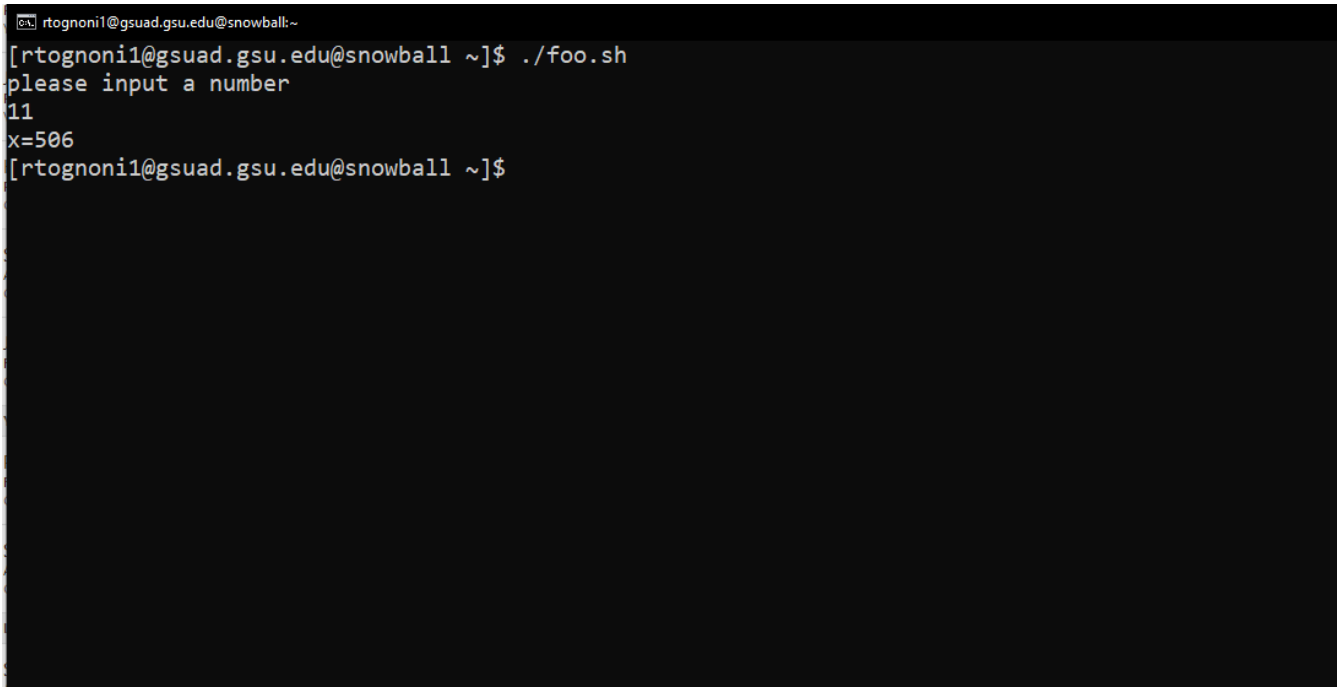
Question:



See attached screenshot labeled QB3.

Part C:

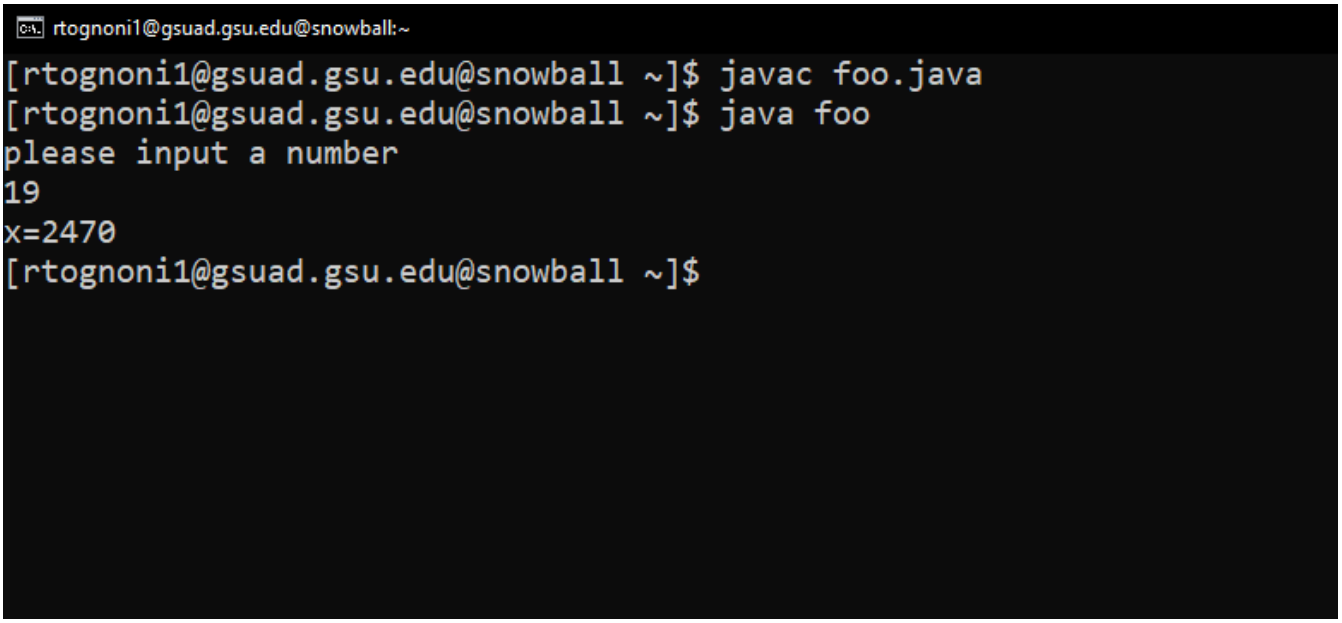
Question:



See attached screenshot labeled QC4.

Part D:

Question: Then put the source code of foo.java in your answer sheet.



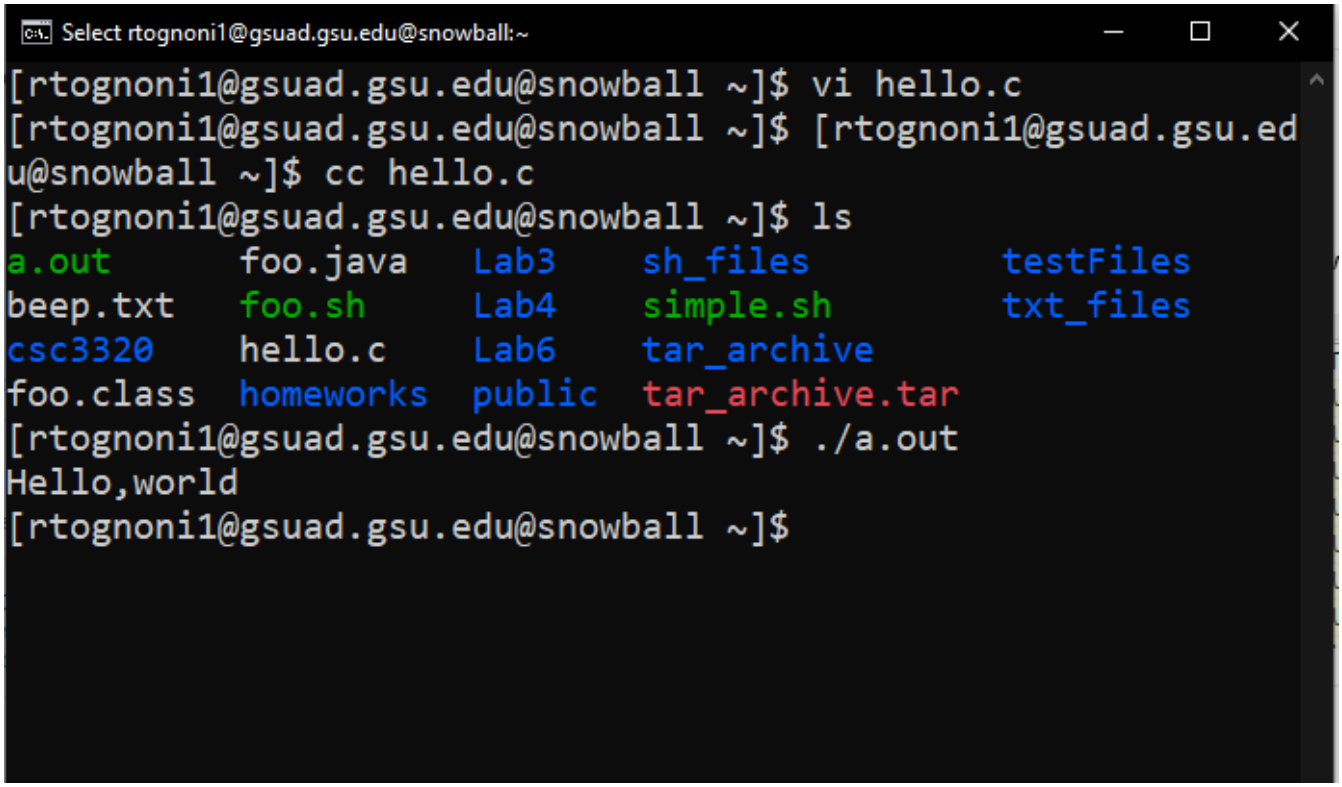

```
import java.util.Scanner;
class foo {
	public static void main(String[] args) {
		Scanner scan = new Scanner(System.in);
		int x = 0;
		int i = 1;
		System.out.println("please input a number ");
```

```
            int num = Integer.parseInt(scan.nextLine());
            while (i <= num) {
                int s = i*i;
                x = s + x;
                i++;
            }
            System.out.println("x=" + x);
        }
}
```

Part E:

Questions:

1) Attach a screenshot of the output in step 4.



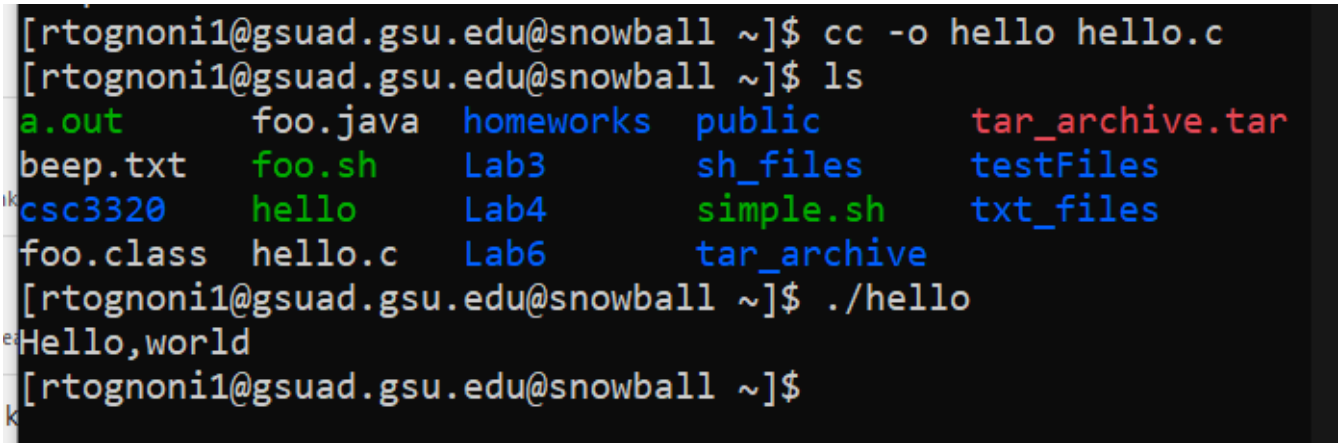
2) Try following command to compile and link **hello.c** again. And tell what new file is generated after this command?

$cc -o hello hello.c

Answer: This generates a file labeled “hello” with no file type.

3) Try command below and attach a screenshot of the output.

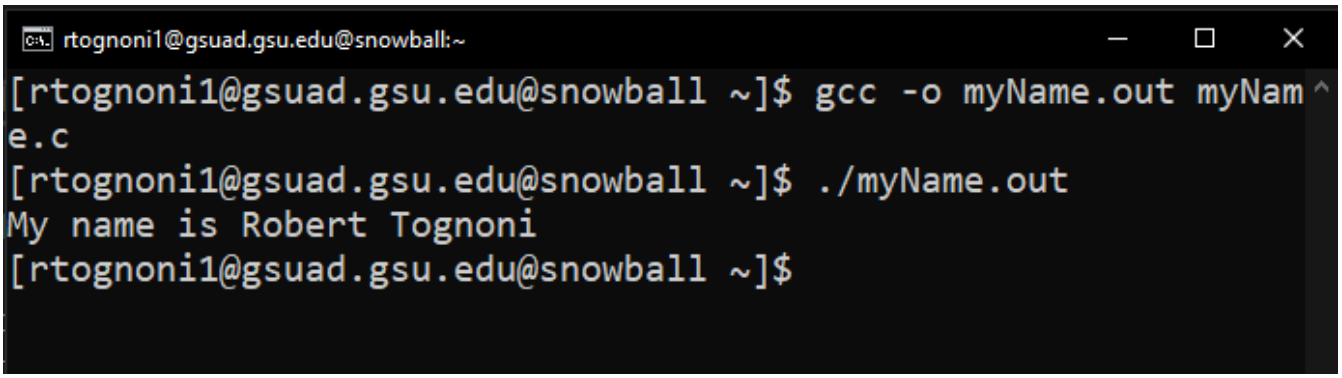
$./hello



4) Now write a new C program named as **myName.c** based on **hello.c**. In this program, print out your first name and last name instead of "Hello,world". For example, the output could be "My name is Yuan Long".

Execute your **myName.c** and attach a screenshot of the output. Then write the source code

of **myName.*c*** in your answer sheet and upload your file **myName.*c*** to classroom.




```
#include <stdio.h>

int main(void)
{
	printf("My name is Robert Tognoni\n");
	return 0;
```