**CS1050 –Prelab 2 SPRING 2017**

**Purpose:**

* Implement simple arithmetic operations in C.
* Complete the prelab before coming to the lab. It will be very helpful to you and your TA.
* Use conditional statements.

**Description:**

For the prelab assignment write a C program that reads two non-negative integer numbers from the user and then perform arithmetic operations using these two variables. Perform error check to ensure the number entered is non-negative, if it is negative, ask the user for a non-negative number. Otherwise go ahead and these two numbers and then multiply them, finally print both the results.

LAB 1 document is also attached under Labs/Lab1 if you need any reference.

Your output should look like the sample output below. Give proper error messages for all cases (assume user enter wrong input only once).

**Sample Outputs**

Characters in bold case are inputs from user.

[dpstm3@bengal-vm2 Lab2]$ ./a.out

Enter the first number: -**6**

Enter a non-negative number: **6**

Enter the second number: -**27**

Enter a non-negative number: **27**

ADDITION

The sum of 6 and 27 is 33.

MULTIPLICATION

The product of 6 and 27 is 162.

[dpstm3@bengal-vm2 Lab2]$ ./a.out

Enter the first number: **-8**

Enter a non-negative number:**0**

Enter the second number: -**7**

Enter a non-negative number: **7**

ADDITION

The sum of 0 and 7 is 7.

MULTIPLICATION

The product of 0 and 7 is 0.