University of Central Florida

Department of Computer Science

CDA 3103 Computer Logic Concepts

**Programming Project 1**

Using the MARIE computer assembly language, write a program that computes the following expression: z = a \* b \* c. The computer will read in the input values a, b, and c from the keyboard and the final result (z) have to be displayed. In addition, every time an input value is read in, it must be displayed on the screen. Remember that the instruction set does not have an instruction to execute multiplication. **The program must be tested on MARIE simulator**.

All numbers used to test your program must be positive numbers (greater than zero).

**On Webcourses you will find the MARIE folder with all the necessary documents on MARIE:**

1. How to download the MARIA simulator
2. A guide to the MARIE simulator environment.
3. A presentation to understand MARIE

**Submit through Webcourses.**

Your assembly program using a MARIE mas file. For example: myprogramname.mas

The program must have your name at the beginning of the program as a comment.

Also include the text file.