**The lottery number Assignment**

**Outcome:**

* The student will demonstrate the ability to generate random numbers
* The student will demonstrate the ability to use loops
* The student will demonstrate the ability to use decision statements
* The student will demonstrate the ability to keep track of numeric values
* The student will demonstrate the ability to design a well planned and written program.

**Program Specifications:**

This program requires the student to write a C program that will generate one year of 3-digit lottery numbers between 000 and 999. When the program begins the user will be asked to buy one year of lottery tickets. It cost $1.00 for each ticket. The user will provide his or her favorite number. Each ticket purchased with have the exact same number that was provided from the user. The program will output the number of times the user’s ticket matched the daily number from the lottery. Each time the user hits the lottery he or she wins $500.00.

The final output will be the number of times the user hit the lottery during the past year. The program will calculate and display the amount of money the user has after one-year passes.

**Submission Requirements:**

* You are to write your c source code within a Visual Studios Project Folder. You can place your design tool within the SRC folder. You can send the project to the Windows Compress Feature. You can then attach the zipped document to the canvas assignment thread.

OR

* You are to write your source code and create a c source code document. You are to create your design tool. You are to attach the \*.c source code and your design tool document to the Canvas assignment thread.

**YOU CANNOT:**

* Use global variables
* Use the word goto
* Use the break command outside a case statement