## COSC 2336.S01
## PROJECT

**ASSIGNMENT:**

Create a program that will read statements written to match the following syntax, build data structures to contain the necessary information to use in evaluating the expressions, and evaluate the expressions as necessary. The statements will be found in a file that will be passed to the program via a command line.

**STATEMENTS:**

Valid statements are of one of the following three forms:

1)  EVAL;
2)  VALUE    Variable    Sign    Constant   ;
3)  EXP    Expression;

Where:

Variable is of the form: Vnn where nn ranges from 00 to 99.

Sign is optional and is either a plus '+' or minus '-'.

Expression is a mathematical expression using variables and/or constants (optional signs) separated by math operators "+-*/" and optionally using parentheses "()" to contain an operator and two operands.

Statements may extend over more than one line.

**TURN IN:**
1)  An electronic copy of the .cpp and .h files in the project folder as created by Visual Studio. This will be emailed to the instructor with the subject line "COSC 2336.S01 – Project".
2)  If you wish any feedback on your work, turn in a printed listing of the .cpp and .h files that you created.

**DUE:** 7 Dec 2017