COSC 2336.S70

**PROGRAM FOUR**

**ASSIGNMENT:**

Create a program that will read tokens written to match the following syntax and print the type and value of each token found. The statements will be found in a file that will be passed to the program via a command line argument.

**STATEMENTS:**

Valid tokens are of one of the following:

1. **EVAL**
2. **VALUE**
3. **EXP**
4. Variable
   1. A variable is of the form **Vnn** where nn ranges from **00** to **99**
5. Constant
   1. A constant is a number of up to 5 decimal digits from **0** to **99999**
6. Operator
   1. An operator is one of the following:
      1. +
      2. –
      3. \*
      4. /
7. Symbol
   1. A symbol is one of the following:
      1. (
      2. )
      3. ;

**TURN IN:**

1) A printed listing of all of the .cpp and header files that you created.

2) A copy of the files in the project folder as created by Visual Studio and a copy of the .exe file from the debug folder. These may be “zipped” placed on a 3 ½ inch floppy, a CD, or emailed to the instructor with the subject line “COSC 2336.S01 – Lab 4”.

**DUE:** 27 October 2011