

**COSC 2336.S01
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
 - a) A variable is of the form **Vnn** where nn ranges from **00** to **99**
- 5) Constant
 - a) A constant is a number of decimal digits from **0** to **9999999**
- 6) Operator
 - a) An operator is one of the following:
 - i) **+**
 - ii) **-**
 - iii) *****
 - iv) **/**
- 7) Symbol
 - a) A symbol is one of the following:
 - i) **(**
 - ii) **)**
 - iii) **;**

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 – Program 4".
- 2) If you wish any feedback on your work, turn in a printed listing of the .cpp and .h files that you created.

DUE: 19 Oct 2017