CECS 547 Project Parts I & II Due May 7, 2015. 100 points.

Write a program (any language) that does the following for either Java, C#, or C++:

1. Determine the number of keywords, user defined identifiers, constants and special characters as follows:  
    a. the number of unique keywords, user defined identifiers, etc - that is, not counting duplicates  
    b. the total number of keywords, UDI, etc counting duplicates.  
2. Compute all the Halstead metrics for the file.

You may earn 50 bonus points by

1. computing McCabe's Cyclomatic Complexity (MCC) for each method in a class

2. Compute the average MCC for each class.