

CSE341 – Programming Languages (Fall 2016)

Project #1

Handed out: 9:00am Thursday October 27, 2016.

Due: 11:55pm Friday November 18, 2016.

Hand-in Policy: Source code (modified file and additional if needed) should be handed in via Moodle. No late submission will be accepted.

Collaboration Policy: No collaboration is permitted. Any cheating (copying someone else's work in any form) will result in a grade of -100 for the first offense and -200 for the subsequent ones.

Grading: Each project will be graded on the scale 100.

Coffee Language Parse (100 points): Given the description of the Coffee language (CoffeLanguage_Syntax.pdf) you are asked to implement the lexer that does the tokenization of the input stream. You will start with the code provided and complete the parts that throws an exception.

The only file that you are required to modify is "lexer.java".

Grading: Full score would require the lexer code to implement the proper regular expression or DFA for identifiers as well as integer values. You may not use available Java code for regular expression finding such "Java.Util.Regex". 20 points will be taken away for those not implementing a proper DFA or regular expression reader.

Submission and Grading

Coffee language project is given in the coffee.zip. You are asked to complete this project. coffee.zip contains an IntelliJ Idea 15 project, you are expected to submit an IntelliJ Idea 15 project. Do not modify the provided files other than Lexer class. You are free to add any additional classes.

You will submit your version of file *decode.cl* via Moodle.