Assignment 1 Report

In dealing with Java’s reserved words, which are all lowercase, instead of rewriting the code from scratch, we simply removed the toLowerCase() in JavaWordToken class after RESERVED\_WORDS.contains(text). With this simple change, we made all keyword case-sensitive.

In order to let Java scanner skip Java comments, including single line comments and multi-line comments, as whitespaces properly, we added a new method peekChar() in Scanner.java, which is the superclass of JavaScanner.java. This method enables JavaScanner to see the next char after current without consuming it, so that we can determine if this is the beginning of a comment easily.