

**CSCI 531 Spring 2007**  
**PROGRAMMING ASSIGNMENT 3**  
Assigned Friday, 2007-03-09. Due Friday, 2007-03-23

The purposes of this exercise are to insure that you can run the JLex lexical analyzer generator. Please use the Unix dropbox, *not* the Blackboard dropbox.

1. Review the discussion of JLex in the handout. Refer to <http://www.cs.princeton.edu/~appel/modern/java/JLex/current/manual.html> for more information on JLex.
2. Make sure that your `.cshrc` or `.tcshrc` file include the line  
`source /usr/local/etc/csce531/csce531-spring07.csh`
3. Copy the sample JLex specification in <http://www.cs.princeton.edu/~appel/modern/java/JLex/current/sample.lex>
4. Run JLex by issuing the following command at the Unix prompt: `java JLex.Main sample.lex`
5. Save your interaction in a file (say, `jlex1`, either by cutting and pasting or by using the Unix script command.
6. Repeat using the file in Figure 2.9 (Section 2.5) of the lexical analysis handout. Rename the file containing this interaction `jlex2`. (There is a small error. Find it!)
7. Paste `jlex1`, `jlex2` and the file of Figure 2.9 into a single file, name that file `jlex`, and submit using dropbox. To do this, point your browser to <https://www.cse.sc.edu> and select “academics.”