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CS536: Introduction to Programming Languages and Compilers
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Compile this program using the Makefile provided. The program requires (provided) the input files allTokens.in, inCharNum.in, and eof.in. The program also requires (provided) the output files allTokens.out, inCharNum.out, and eof.out.

moo.jlex uses JLex to write a scanner for the moo language (a small subset of the C++ language).

P2.java is designed to test the scanner. It does so by creating circumstances through which the robustness of the program is tested. Please read the comments in P2.java for further details on how the testing is done.

Basically,

'allTokens.in' and 'allTokens.out' is used by the testAllTokens() method to test whether all tokens are recognized by the scanner. To confirm this, please cross-reference the input and output files. This method is also used to check errors and warning. 'allTokens.in' (towards the end of the file) contains input that should cause errors. The output terminal should be checked for things that are errors to make sure the correct error message is displayed.

'inCharNum.in' and 'inCharNum.out' is used by the testCharAndLineNum() method to check whether all tokens print out the correct character number and line number. The output char numbers and line numbers need to be compared to the input file for discrepancies. In the output file, the charnum is printed, then the line number, and then the number of the symbol.

'eof.in' and 'eof.out' is used by the eofCheck() method to check that eof is reached.