CS 536 Fall 2016, P2

Lewis Kunik & Scott Franklin

How to invoke program:

We have modified the Makefile included in the directory so that typing **make** will compile all necessary code, and typing **make tests** will run P2.java along with all **diff** commands which compare our output files to the expected output files.

We have included 4 input files with the naming convention [someTypeOfToken].in. P2.java reads in each of these input files and parses through them with the scanner. P2.java writes valid tokens to the corresponding [someTypeOfToken].out file. In some instances, the scanner is intended to ignore things like Comments, bad input, and illegal character. For these situations, we have used code to check that all output generated is the same as expected, and ultimately prints some output statement to a file. For all output files, our Makefile checks against the expected output, using **diff** to verify that these files are identical. P2.java also sends error messages to an error file called **errors.txt**, when reading in bad input like unterminated strings, overflow integers, etc. This file is compared to an expected output file during **make test** to verify that all errors are correctly caught.

We assume that all provided expected output files are correct representations of what the scanner should output.