

## Project 2 - Table-driven scanner - part 2

### CS 4481

Create a table file for a language called Pasca.

### Write a table file for Pasca

1. Pasca is a language created for this assignment. Pasca has the following tokens (note that upper-case characters are not used and ' is a single-quote):
  - identifier:  $[a-z]([a-z] | [0-9])^*$
  - string:  $'(\wedge' | '' )^*'$
  - integer:  $[1-9][0-9]^*$
  - delimiter:  $;\{|\}\cdot$
  - comment:  $(\wedge^* | \star^+ \wedge)^* \star \wedge$
2. You will use the same code you developed in project 1. Replace your *main.cpp* with the included *main.cpp* (you will want to make a backup copy first).
3. Using *data/register.table* as an example, develop *pasca.table* to match the above language specification. This will require first building a DFA to recognize the above language.
4. It is possible that your scanner still has bugs in it and that you'll have to modify *Scanner.java* in order for your language to be scanned. When you do this, keep in mind that you will not be submitting *Scanner.java*.
5. To test, uncomment appropriate tests in *main.cpp* and choose Run > Run project (or press F6).
6. Your project is ready to turn in once you pass all 24 tests. Submit only *pasca.table*. Do not rename the file. Do not submit any other files. Do not zip your project together and submit it. Submit only the one file.

### Scoring

You will be graded on how many tests your code passes. The input files when grading will be similar to the test files you are using.