## Objective:

To gain experience creating the second stage of a compiler – the parser – by making a small application in Bison.

## Part One: To be done INDIVIDUALLY

In this lab, you will be using Bison to make a calculator that has the following capabilities:

* 1. Performs Arithmetic (+, -, \*, /, ^)
  2. Saves/Accesses variables
  3. Can call functions from math.h (that are listed in driver.cpp)
  4. Has correct order of operations
  5. Can perform multiple calculations (doesn't die after the first one)
  6. Prints the results each time it receives an input

1. Download the files from the class website
2. Rename parser.lab7.ypp to Lastname.parser.lab7.ypp
3. Edit the makefile Makefile to work with the name change you just made
4. Add grammar and code to Lastname.parser.lab7.ypp to make the calculator work with the all of the features above (use the included functions to make this lab MUCH easier)
5. Once your calculator works, run a "make clean" and tar up your lab files (there should be only 4) and submit.