CS31 – Lecture 1 Professor Smallberg Leo Gretzinger

Project 1 Report 10/3/18

**Step 5:**

I used three sets of integers that created unusual/non-sensical results.

* The first set was 10,000 ; 7,500 ; 7,500, creating percentages that added up to more than 100%.
* The second set was 1000 ; 235234 ; 31, creating a percentage much higher than 100%.
* The third set was -124 ; 10 ; -45, creating a negative percentage.

**Step 6:**

I created errors in the actual math and the logic, which, although the program still ran, created incorrect values (I received no compiler error messages for these errors).

* I forgot to input the ( x 100) when writing the formula for the percentage of Newsom and Cox voters, creating percentages that were way too small.
* I changed the ‘<’ sign to ‘>’ in the “if else” comparison at the end. If the forNewsom votes was less than forCox votes, then the console would output “Newsom is predicted to win the election,” even though that would be incorrect.

**Step 7:**

I created errors in both the syntax and the class/method names that blocked the program from compiling successfully. The Visual Studio Compiler announced that “There were build errors” for each other these errors. Meanwhile, when I attempted to run this broken code on the g31 compiler, it listed out a description and a location for each error, essentially giving a more complete and thorough report of the compilation process.

* I forgot to put quotes around a ‘cout’ statement.
* I forgot a ‘;’ at the end of the numberSurveyed integer declaration.
* I forgot the ‘/’ in the formula for the percentages, where I was supposed to divide numberSurveyed by forNewsom
* I did not include the line ‘using namespace std;’
* I used the ‘set’ method, instead of the ‘setf’ when specifying precision
* I used the ‘is’ class instead of ‘ios’ when specifying precision