CS31 – Project 1

5. I used 10 as the number of people surveyed, 10 as the number of people who approved, and 10 as the number of people who disapproved. This caused the program to say 100% of people approved, 100% of people disapproved, and that more people disapproved than approved. This is a nonsensical result since 100% of the people can’t both disapprove and approve. Technically the same amount of people disapproved as approved but there is no output in the program for telling the user that the same amount approved as disapproved.

6. For the logic error I mismatched some of the approve vs disapprove statements. For example, it will state the percent of people that disapproved and say that it is the percent that approved and likewise for the percent of people that approved. For example if 20 people were surveyed with 15 approving and 5 disapproving the program would incorrectly state that 75% disapprove and 25% approve.

7. The first error I introduced what decapitalizing one of the instances of the integer numSurveyed, changing that particular instance to numsurveyed. The error message was: error C2065: 'numsurveyed': undeclared identifier. There is no integer named numsurveyed, only one named numSurveyed, so the program is unable to compile. The second error I introduced was removing the dot from cout.precision(1), changing it to coutprecision(1). I received the error: error C3861: 'coutprecision': identifier not found. By removing the dot the compiler no longer recognizes either cout or precision and it is seeing it as an identifier but still can’t compile since there is no previous reference to an identifier with the name ‘coutprecision’.