In step 5, I tried putting values for voters for Cox and Newson that didn’t add up to the total I gave e.g. I responded 100 for voters surveyed, 50 for Newson, and 70 for Cox. This caused the program to report that 50% will vote for Newson while 70% would vote for Cox, and this would be impossible because that would imply more voters voting than there are. I also tried inputting values of 0 for voters surveyed, 0 for Newson, and 0 for Cox. This caused the program to print “-nan(ind)%” due to the attempt to divide a value by zero.

In step 6, one logic error I introduced was switching the greater than sign in

if (forNewsom > forCox)

cout << "Newsom is predicted to win the election." << endl;

else

cout << "Cox is predicted to win the election." << endl;

to a less than sign, making the code say

if (forNewsom < forCox)

cout << "Newsom is predicted to win the election." << endl;

else

cout << "Cox is predicted to win the election." << endl;

so the code would report the expected loser as the expected winner.

Another logic error I introduced was calculating *pctNewson* and *pctCox* incorrectly, multiplying by 10.0 instead of 100.0. This caused the program to incorrectly output the percent who voted for each e.g. if 40% voted for Newson and 60% voted for Cox, the program would say 4% voted for Newson and 6% voted for Cox

In step 7, I introduced three compile errors. The compiler reported that it expected a “;” in line 15 because I deleted the semicolon ending that line, that ‘forCox’ was an undeclared identifier in lines 17, 20, and 29 because I removed the line where forCox was declared, and that the ‘{‘ in line 8 had no matching token because I deleted the matching end brace.