Jonathan Chon  
UID: 104780881

CS 31 Fall 2016

In step 5, I inputted the integers 200, 150, and 150, respectively. Thus, the program ran successfully, but the results were nonsensical. The results stated that 75% of voters would vote for Hillary and 75% of voters would vote for Donald, which adds up to more than 100%. In addition, the result stated that Donald Trump would win, though the election should have ended in a tie.

For the logic error section, I introduced two sources of error. When initializing the double pctDonald variable, I changed it from 100.0 \* forDonald / numberSurveyed; to 75.0 \* forDonald / numberSurveyed. By changing the value from 100.0 to 75.0, the displayed percent of votes that Donald received is less than the actual percent of votes that he received. In addition, I changed the if statement from if (forHillary > forDonald) to if (forHillary <= forDonald). This change makes it so that the results are flipped. If the value of forHillary is greater than forDonald, the console will output that Donald will win, and vice versa.

For the compile error section, I introduced three sources of error. One source of error I introduced was removing a semicolon after a cout statement. In another cout statement, I changed it from cout << to cout >>. I received an error message stating “invalid operands to binary expression”. Finally, for the last source of error, I used the undeclared variable pctHilllary instead of pctHillary. The error message I received stated “Use of undeclared identifier ‘pctHilllary’; did you mean ‘pctHillary’?