**Step 5**

Input**:**

How many registered voters were surveyed? ***100***

How many of them say they will vote for Newsom? ***150***

How many of them say they will vote for Cox? ***85***

Output:

150.0% say they will vote for Newsom.

85.0% say they will vote for Cox.

Newsom is predicted to win the election.

Discussion:

If I input 150 votes for one of the candidates, even if the number of registered voters surveyed is lesser (100), the program continues and uses the number I provided to carry out its calculations and make a prediction for the elections. In this case, unusual/nonsensical input is provided.

Input:

How many registered voters were surveyed? ***100***

How many of them say they will vote for Newsom? ***50***

How many of them say they will vote for Cox? ***50***

Output:

50.0% say they will vote for Newsom.

50.0% say they will vote for Cox.

Cox is predicted to win the election.

Discussion:

In this case, the survey should be a tie, however the program produces incorrect output, saying that Cox is predicted to win.

**Step 6 – Logic Error**

In step 6, I replaced

**if** (forNewsom > forCox)

with

**if** (forNewsom < forCox)

This causes the program to compile with no errors but provide illogical output. The program will always declare the candidate with lower votes as the winner, and in the case of a tie, always declares Cox as the winner.

**Step 7 – Compile Error**

In step 7, I removed the “ **using** **namespace** std; ” line, which causes a compilation error as the compiler cannot identify the cout,cin keywords.

I also decalared variables

**int** NumberSurveyed;

**int** ForNewsom;

**int** ForCox;

However, in the program the variables numberSurveyedm forNewsom and forCox are used to store and access values. (There is a capitalization difference in the forst letter of these variables)