**Step 5:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Inputs | | | Outputs | | |
| Total voters | Hillary voters | Donald voters | % voter Hillary | % voter Donald | Prediction |
| 100 | 100 | 200 | 100.0% | 200.0% | Donald |
| 0 | 100 | 200 | Inf% | Inf% | Donald |
| 100 | 1 | 1 | 1.0% | 1.0% | Donald |
| 100 | 50 | 10 | 50.0% | 10.0% | Hillary |

**Step 6:**

I changed line 20 of the code

double pctHillary = 100.0 \* forHillary / numberSurveyed;

into

double pctHillary = 10000.0 \* forHillary / numberSurveyed;

I changed the double 100.0 into 10000.0, a mistake that one could easily make if he or she held onto the 0 key for a bit too long. This change did not prevent the program from compiling; however, it did cause the output of the program to become completely nonsensical. The output values for % voter Hillary become unusually high as a result of this error.

**Step 7:**

Error Messages from Visual Studio:

compile\_error.cpp(13): error C2784: 'std::basic\_istream<char,\_Traits> &std::operator >>(std::basic\_istream<char,\_Traits> &,unsigned char \*)': could not deduce template argument for 'std::basic\_istream<char,\_Traits> &' from 'std::ostream'

compile\_error.cpp(18): error C2146: syntax error: missing ';' before identifier 'cin'

On line 13, I changed cout << into cout >>, which violates the syntax of the C++ language and stops the program from compiling.

On line 17, I deleted the semicolon at the very end of the line, which also violates the syntax of the C++ language and stops the program from compiling.

Both of these errors are simple mistakes that programmers could easily overlook/forget if they did not review their code carefully after writing them.