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**STEP 5**

Below are the three inputs I used and the results I got.

Input 1

How many Electoral College electors are there? 0

How many of these electors voted for the Republican party candidate? 0

How many of these electors voted for the Democratic party candidate? 0

-nan(ind)% of the 0 electors voted for the Republican party candidate.

-nan(ind)% of the 0 electors voted for the Democratic party candidate.

The program should have said that there was no election or that no candidate could have won because there were no voters. The output was unusual. voter

Input 2

How many Electoral College electors are there? 1000000000000000000

How many of these electors voted for the Republican party candidate? How many of these electors voted for the Democratic party candidate?

-40.0% of the 2147483647 electors voted for the Republican party candidate.

-40.0% of the 2147483647 electors voted for the Democratic party candidate.

Looks like some of these data values don't make sense.

The program should say that the number of Electoral College electors is too high or that it is more than the population of the earth. The percentage of voters did not add up to a 100% which was unusual.

Input 3

How many Electoral College electors are there? 0

How many of these electors voted for the Republican party candidate? 2

How many of these electors voted for the Democratic party candidate? 3

inf% of the 0 electors voted for the Republican party candidate.

inf% of the 0 electors voted for the Democratic party candidate.

Looks like some of these data values don't make sense.

The program should have said that this combination of inputs is impossible. The output (for example inf%) was unusual.

**STEP 6**

I changed line 20 of the original code to:

double pctRepub = (10.0 \* republicanVotes) / totalVoters;

this logic error caused the total percentage of voters to never add up to a hundred percent.

**STEP 7**

I changed line 20 and 21 of the following code to:

double pctRepub = (100.0 \* republicanVotes) / totalVoters

double pctDemoc (100.0 \* democraticVotes) / totalVoters;

I removed a semicolon (;) on line 20 and removed an assignment statement (=) on line 21. This caused my program to be uncompilable.