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Computer Science 31

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Project 1 Report

User inputs *italicized*

**original.cpp**

How many registered voters were surveyed? *100*

How many of them say they will vote for Gavin? *40*

How many of them say they will vote for Brian? *40*

40.0% say they will vote for Gavin.

40.0% say they will vote for Brian.

Brian is predicted to win the election.

Report: Not all the voters in the poll voted for Gavin or Brian, as they chose to abstain from voting. However, this should result in the votes being 50% each for Brian and Gavin, but the output was 40% for each candidate. Additionally, Brian is not certainly predicted to win the election, as he has an equal chance of winning as Gavin.

**logic\_error.cpp**

Changes Made: Flipped Inequality sign on line 30

How many registered voters were surveyed? *100*

How many of them say they will vote for Gavin? *60*

How many of them say they will vote for Brian? *40*

60.0% say they will vote for Gavin.

40.0% say they will vote for Brian.

Brian is predicted to win the election.

Report: By flipping the inequality symbol in the final if statement, the result in the final output line (who is predicted to win the election) will be perpetually inaccurate.

**Compile\_error.cpp**

Changes Made: Removed one inequality sign on line 13 following cout, and removed a semi-colon at the end of line 14.

“Build Failed”

Report: The first compile error in the code is on line 13, where there was only one inequality symbol after cout, when there should be two.

Error Message: “Invalid operands to binary expression.”

The second compile error in the code is on line 14, where there is no semi-colon at the end of the line.

Error Message: “Expected ‘;’ after expression”

Also, could not build an executable file in g++.