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Project 1

1. The input that I provided in step 5 for variable numberSurveyed is 0. The variable numberSurveyed is a denominator of two functions in the program (ie. pcHome = 100.0 \* preferHomeTeam / numberSurveyed; pcAway = 100.0 \* preferAwayTeam / numberSurveyed). When the denominator is equal to zero, the answer should be undefined. However, the program gave me the answer 1.$% when I pass the value 1 to other two variables preferHomeTeam and prefreAwayTeam.
2. For the logic\_error.cpp program, I changed “ / ” to “ + ” for preferHomeTeam / numberSurveyed, and “ \* ” to “ / ” for 100.0 \* preferAwayTeam. These changes does not crash the program but make it produce wrong results.
3. For the compile\_error.cpp program, I deleted the semicolon in the end of line 14, removed the closing quotation in the end of line 17, and changed “ / ” to “ % ” on line 20. For the first two missing semicolon and closing quotation parts, the compiler gave me the error messages “error C2143: syntax error: missing ‘;’ before identifier ‘cin’.” As for line 20, the compiler showed that the arithmetic operator % is illegal since the “left operand has type ‘double’.”