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**CS31 Project 1 Report**

Step 5 input

For “How many people were surveyed?” I input the value 1. For “How many of them are obeying the stay-at-home and other health orders?” I input the value 6. For “How many of them are disobeying the stay-at-home and other health orders?” I input the value 9. When I ran the program, I did get nonsensical results as detailed by the project spec. I got 600.0% say they are obeying the orders, 900.0% say they are disobeying the orders, and the conclusion that more people are disobeying than obeying the orders.

Step 6 error (logic\_error.cpp program)

The errors introduced were numerical in that I changed the number from 100.0 to -100.0 in lines 20 and 21 of the source code:

Line 20: double pctObey = -100.0 \* obey / numberSurveyed;

Line 21: double pctDisobey = -100.0 \* disobey / numberSurveyed;

The program was still able to run but with reasonable inputs, there were still nonsensical results as detailed be the project spec. For “How many people were surveyed?” I input the value 10. For “How many of them are obeying the stay-at-home and other health orders?” I input the value 6. For “How many of them are disobeying the stay-at-home and other health orders?” I input the value 4. I got -60.0% say they are obeying the orders, -40.0% say they are disobeying the orders, and the conclusion that more people are obeying than disobeying the orders.

Step 7 error (compile\_error.cpp program)

The errors introduced consisted of removing a quotation mark in line 13 as seen below:

Line 13: cout << How many people were surveyed? ";

Adding an additional “c” in line 26:

Line 26: ccout << endl;

And removing “}” from line 34, thus leaving it blank.

The program failed to compile correctly as detailed by the project spec and many error messages came up. In line 13, the identifiers “how”, “many”, “people”, “were”, and “surveyed” were undeclared, a closing quote was missing, and there was a newline in constant error. Syntax errors in line 13 included a missing “;” before the identifiers “many”, “people”, “were”, and “surveyed”. Line 14 had a syntax error where there was a missing “,” before the identifier “cin”. In line 26, the identifier “ccout” was undeclared, there was a mismatch in formal parameter list, and “<<” was unable to resolve the function overload. In line 8, there was no matching token for “{“.