Report:

For the original.cpp file, I put 10 for "How many students were surveyed? "; 200 for "How many of them prefer being at school in person? "; 300 for "How many of them would rather do school from home? "; and the answer I get is “2000.0% prefer being at school in person.

3000.0% prefer doing school from home.”, which is totally nonsensical and impossible in our real life.

For the logic\_error.cpp file, I change:

1. “double pctLikeInPerson = 100.0 \* likeInPerson / numberSurveyed;” to “double pctLikeInPerson = 10.0 \* likeInPerson / numberSurveyed;”, which simply change from 100.0 to 10.0;
2. “double pctLikeAtHome = 100.0 \* likeAtHome / numberSurveyed;” to “double pctLikeAtHome = 10.0 \* likeAtHome / numberSurveyed;”, which simply change from 100.0 to 10.0;

The error is that the outcomes I get from "% prefer being at school in person." and “% prefer doing school from home." are both 10% of the right answer.

For example, if I input 100 for "How many students were surveyed? ", 80 for "How many of them prefer being at school in person? ", 20 for "How many of them would rather do school from home? ", I would get “8.0% prefer being at school in person. 2.0% prefer doing school from home.” Instead of “80.0% prefer being at school in person. 20.0% prefer doing school from home.”

For the compile\_error.cpp file, I change:

1. “int likeAtHome;” to “int likeAtHome”
2. “double pctLikeInPerson = 100.0 \* likeInPerson / numberSurveyed;” to “pctLikeInPerson = 100.0 \* likeInPerson / numberSurveyed;”
3. “if (likeInPerson > likeAtHome)” to “if (likeInPerson > likeAtHome):”

The errors are:

1. compile\_error: expected ';' at end of declaration for “int likeAtHome”
2. compile\_error: use of undeclared identifier 'pctLikeInPerson
3. compile\_error: 'likeInPerson' declared
4. compile\_error: expected expression for “if (likeInPerson > likeAtHome):”