Step 5

I put in 100 as “numberSurveyed,” and put 100 in both “preferBasmati” and “preferJasmine.” The output that I received was

“100.0% prefer basmati rice over jasmine rice.

100.0% prefer jasmine rice over basmati rice.

More people prefer jasmine rice over basmati rice.”

Both categories were at 100% (nonsensical). Yet, it said more people prefer jasmine rice.

Step 6

The error I introduced into logic\_error is multiplying preferBasmati with 10 (instead of 100), then dividing it with numberSurveyed to get the pctBasmati. Since it is not being multiplied with 100, the percent it calculates will always be 10 times less than the true answer. Thus, making a logic error.

Step 7

I changed the “cout <<” to “cout >>.” As a result, I received “Invalid operands to binary expression ('ostream' (aka 'basic\_ostream<char>') and 'double')” error message. This is an error that I made when I was first learning the C++ programming language.

Another error I introduced to compile\_error is removing the }. Thus, I received an “Expected '}'” error message. This is also an easily made error when programmers aren’t utilizing an IDE that automatically fills in the end curly brackets.