**Step 5 – Using the program as given, run it with input integers that cause it to produce incorrect, unusual, or nonsensical output.**

* When numberSurveyed was less than numKeep and/or numRefund, the percentage of people who will keep their car / demand a refund exceeds 100%
* When numKeep was equal to numRefund, the final line would be incorrect: “More people will demand a refund than keep their car.”

**Step 6 - Introduce into the source code at least one error that someone might make that, while not preventing a successful build, causes the program when it runs to produce incorrect results from reasonable input.**

* Defining pctKeep and pctRefund without multiplying the fraction by 100
* When the program runs the results will be 0.0% say they will keep their car / demand a refund

**Step 7 – Introduce at least two distinct types of mistakes that someone might make, each of which would cause the program to fail to compile correctly.**

* Not putting “using namespace std;” in front of code
* Compiler will have various error messages saying “Use of undeclared identifier ‘cout’ / ‘cin’; did you mean ‘std::cout’ / ‘std::cin’?”
* Not defining variables by leaving the below out of program

int numberSurveyed;

int numKeep;

int numRefund;

* Compiler will have various error messages saying “Use of undeclared identifier ‘numberSurveyed’ / ‘numKeep’ / ‘numRefund’” every time I use the variables in the code that follows
* Not putting a semicolon at the end of a statement
* Compiler will have error message “Expected ‘;’ after expression”