The purpose of this program is to show the type and area of a triangle based on side lengths inputted by the user.

To complete this program, I required a scanner method, a Boolean variable, and 6 double variables. The scanner method allows the user to enter the 3 sides of the triangle they are working with. The Boolean variable checks those 3 sides to make sure they can actually be a triangle. Then for the 6 double variables; 3 store the side lengths of the triangle, 1 stores the perimeter of the triangle. Another stores part of the formula needed to calculate the area of the triangle. Then the last stores actual area of the triangle. Finally, if all the input works as it should and can actually be a triangle, it will tell the user the perimeter and the area of the triangle based on the 3 entered side lengths. If the 3 side lengths can not be a triangle, it gives the user a single retry to enter new side lengths before it terminates.