EECS4313: Homework 1

Goal: practice writing a set of test cases to automate testing of the given code using Boundary Value Testing.

Description: You are given a java file, **Triangle.java**, that contains a few units, whose major job is to check if the given 3 inputs can form a Scalene triangle. The description of each unit is written in the code.

Task 1: Write all possible sets of test cases that tests `isValid` using Normal Boundary Value testing.

Task 2: Write all possible sets of test cases that tests `isSideValid` using Robust Boundary Value testing.

Hint: The testing should be done in two steps:

1- Keep `min` and `max` unchanged and apply RBVT on the first input only. (e.g., min=10, max = 20).
2- Check if the code works as expected if `min>max`, `min<Integer.MIN_VALUE`, or `max>Integer.MAX_VALUE`.

Task 3: Fill in the table below with the test cases that you have written. If you wrote three test cases, then the table below should have 3 rows.

id	Selected Inputs	Description of the test case	Actual Output	Expected Output	Passed?
1					
2					
3					

Submission: Two files should be submitted:

1- A pdf file that contains the table above.
2- The junit test cases that contains the test cases mentioned in the table. Please note that you should use junit 5. Otherwise, no grade will be awarded.