

Testing Triangle App with Positive values:

Case Number	Input	Estimated output	Why?
1	4,6,5	Scalene	No two sides are equal
2	6,6,7	Isosceles	Two sides have same length and angles opposite the equal sides are also equal
3	4,4,4	Equilateral	All three sides and angles are equal
4	1000,1000,3	Isosceles	Two sides have same length and angles opposite the equal sides are also equal
5	10000,10000,10000	Equilateral	All three sides and angles are equal
6	10,7,7	Isosceles	Two sides have same length and angles opposite the equal sides are also equal
7	9,8,7	Scalene	No two sides are equal
8	2,2,2	Equilateral	All three sides and angles are equal
9	9,9,3	Isosceles	Two sides have same length and angles opposite the equal sides are also equal
10	1,1,1	Equilateral	All three sides and angles are equal

Testing Triangle app with Negative Values and Zero:

Case Number	Input	Estimated Output	Why?
1	0,0,1	Not a Triangle	A triangle can't have side lengths zero
2	-1, -2, 1	Not a Triangle	Negative side lengths are not valid
3	100000,0, -5	Not A Triangle	A triangle shouldn't have negative and zero values
4	0,50,50	Not a Triangle	Zero makes impossible to make triangle
5	-3,0,4	Not a Triangle	A triangle shouldn't have negative and zero values
6	0,0,0	Not a Triangle	Zeros can't form a triangle
7	10, -40,10	Not a Triangle	Negative values can't form a triangle
8	8,0, -4	Not a Triangle	Negative and zeros can't make triangle
9	-1, -1, -1	Not a Triangle	Negative values can't form a triangle