**Escuela Superior Politécnica del Litoral**

**Group:** #6 - PolySolutions

**Date of delivery:** 2020/06/12

**Test Cases:**

|  |  |  |
| --- | --- | --- |
| **Test** | **Input Values (a, b, c)** | **Expected Output** |
| **1** | **1, 5, 7** | **Not a Triangle** |
| **2** | **7, 9, 10** | **Scalene** |
| **3** | **7, 7, 10** | **Isosceles** |
| **4** | **10, 10, 10** | **Equilateral** |
| **5** | **10, “s”, “s”** | **Invalid Input** |
| **6** | **7.5, 9, 10** | **Decimal not allowed** |
| **7** | **7, 9, 201** | **Out of range** |

**Assumption of the test cases:**

* For test 1, if c is lower that b + a the application will show “Not a triangle”
* if a is lower that b + c the application will show “Not a triangle”
* if b is lower that a + c the application will show “Not a triangle”
* For test 2, if a,b and c are differents and fulfill the conditions will show “Scalene”
* For test 3, if a and b are equal and c is different and fulfill the conditions will show “Isceles”
* For test 4, if a b and c are equal and fulfill the conditions will show “Equilateral”
* For test 5, non numerical values are invalid, i.e. “A” or “?”
* For test 6, non decimal number
* For test 7, Non numbers greater than 200
* Non numbers lower than 1