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| ID | Description | Input Data | | | Expected Output | Actual Output | Status | Comments |
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| **1** | Enter the value of a, b and c Such that a is not less than sum of two sides | 20 | 5 | 5 | Message should be displayed can't form a triangle | Can’t form a triangle |  |  |
| **2** | Enter the value of a, b and c Such that b is not less than sum of two sides and a is less than sum of other two sides | 3 | 15 | 11 | Message should be displayed can't form a triangle | Can’t form a Triangle |  |  |
| **3** | Enter the value of a, b and c Such that c is not less than sum of two sides and a and b is less than sum of other two sides | 4 | 5 | 20 | Message should be displayed can't form a triangle | Can’t form a triangle |  |  |
| **4** | Enter the value a, b and c satisfying precondition and a=b, b=c and c=a | 5 | 5 | 5 | Should display the message Equilateral triangle | Equilateral triangle |  |  |
| **5** | Enter the value a ,b and c satisfying precondition and a=b and b ≠ c | 10 | 10 | 9 | Should display the message Isosceles triangle | Isosceles Triangle |  |  |
| **6** | Enter the value a, b and c satisfying precondition and a ≠b , b ≠ c and c ≠ a | 5 | 6 | 7 | Should display the message Scalene triangle | Scalene triangle |  |  |

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| Rules | R1 | R2 | R3 | R4 | R4 | R6 | R7 | R8 | R9 | R10 | R11 |
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