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Semester: SP23-BSE-6B

Course: Software Testing

Title: Lab Task 1

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Lab Task#1 Exercise

# Screen:

Enter side

Enter side

Enter side

Check

# Scenario:

Make test cases for a triangle that can differentiate between isosceles, equilateral, and scalene types based on sides’ length as input and state if their verdict is true/false. Make assumptions for actual outcome.

We have 3 sides a, b and c of triangles

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Case Description** | **Input Data** | **Expected Outcome** | **Actual Outcome** | **Status** |
| TC\_01 | To display “triangle is equilateral triangle” | Enter 3 sides that are equal, a=b=c  a=4  b=4  c=4 | Message:  Equilateral triangle |  |  |
| TC\_02 | To display  “Triangle is isosceles triangle” | Enter 3 sides in which 2 sides are equal  a=b  a=6  b=6  c=8 | Message:  Isosceles triangle |  |  |
| TC\_03 | To display “ Triangle is scalene triangle” | Enter 3 sides that are not equal to each other  a!=b,  b!=c  a!=c  a=3  b=2  c=9 | Message:  scalene  triangle |  |  |
| TC\_04 | To display “invalid values “for side equal to zero | Enter sides in which 1 or more side is one  a=0  b=9  c=6 | Message:  Invalid values |  |  |
| TC\_05 | To display “not a triangle” for all sides equal to zero | Enter all sides equal to zero  a=0  b=0  c=0 | Message:  “Not a triangle” |  |  |
| TC\_06 | To display “Enter values” for empty fields | a=  b=5  c= | Message:  “Enter values” |  |  |
| TC\_07 | To display “invalid values” if sides are negative | a=9  b=5  c= -5 | Message:  :Invalid values” |  |  |
| TC\_08 | To display “Enter numeric value in fields” for values other than numbers. | Enter character or symbols for sides  a=%  b=j  c=\* | Message:  “Enter numeric value in fields” |  |  |
| TC\_09 | To display triangle name for float values | Enter  a=7.9  b=7.6  c=8.5 | Message:  “Scalene triangle” |  |  |