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Semester: SP23-BSE-6B
Course: Software Testing
Title: Lab Task 1
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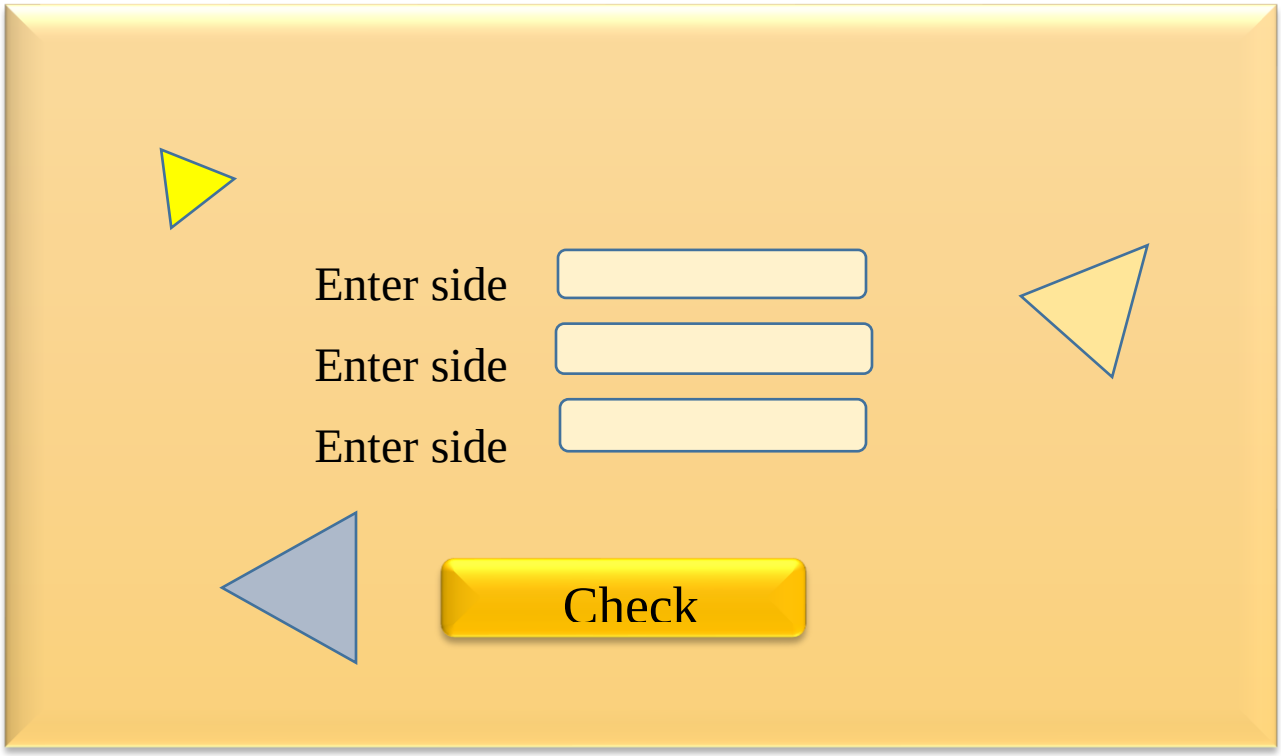
# Lab Task#1 Exercise

## Screen:




## 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<br>a=4<br>b=4<br>c=4 | Message: Equilateral triangle | | |
| TC_02 | To display "Triangle is isosceles triangle" | Enter 3 sides in which 2 sides are equal<br>a=b<br>a=6<br>b=6<br>c=8 | Message: Isosceles triangle | | |
| TC_03 | To display " Triangle is | Enter 3 sides that are not | Message: scalene | | |

| | | | | | |
|---|---|---|---|---|---|
| | scalene triangle” | equal to each other<br>a!=b,<br>b!=c<br>a!=c<br>a=3<br>b=2<br>c=9 | triangle | | |
| TC_04 | To display “invalid values “for side equal to zero | Enter sides in which 1 or more side is one<br>a=0<br>b=9<br>c=6 | Message: Invalid values | | |
| TC_05 | To display “not a triangle” for all sides equal to zero | Enter all sides equal to zero<br>a=0<br>b=0<br>c=0 | Message: “Not a triangle” | | |
| TC_06 | To display “Enter values” for empty fields | a=<br>b=5<br>c= | Message: “Enter values” | | |
| TC_07 | To display “invalid values” if sides are negative | a=9<br>b=5<br>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<br>a=%<br>b=j<br>c=* | Message: “Enter numeric value in fields” | | |
| TC_09 | To display triangle name for float values | Enter<br>a=7.9<br>b=7.6<br>c=8.5 | Message: “Scalene triangle” | | |