1. **Assignment Description**: **Week 2:  Assignment 02a**

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Git Hub link: https://github.com/sheshendra7/Triangle567.git

Initial Testing Result:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TestID | Input | Expected Results | Actual Results | Pass/Fail |
| testRightTriangleA | 3,4,5 | Right | Invalid Input | Fail |
| testRightTriangleB | 5,3,4 | Right | Invalid Input | Fail |
| testRightTriangleC | 1,1,1 | Equilateral | Invalid Input | Fail |

Final Test Results:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test ID | Input | Expected Results | Actual Results | Pass/Fail |
| testRightTriangleA | 3,4,5 | Right | Right | Pass |
| testRightTriangleB | 5,3,4 | Right | Right | Pass |
| testEquilateralTriangles | 1,1,1 | Equilateral | Equilateral | Pass |
| testInvaildInput1 | 3,4,0 | Invalid Input | Invalid Input | pass |
| testInvaildInput2 | -1,-4,5 | Invalid Input | Invalid Input | pass |
| test NotATriangle3 | 10,2,3 | Not a Triangle | NotaTriangle | pass |
| test NotATriangle4 | 3,4,5(aasertNotEqual) | NotATriangle | Right | pass |
| test NotATriangle5 | 5,5,8(assertNotEqual) | NotATriangle | Isosceles | Pass |
| test RightTriangle6 | 11,11,10(assertNotEqual) | NotATriangle | Isosceles | Pass |
| testEquilateralTriangle7 | 5,5,5 | Equilateral | Equilateral | Pass |
| testEquilateralTriangles8 | 4,4,4 | Equilateral | Equilateral | Pass |
| testIsoscelesTriangle9 | 5,5,8 | Isosceles | Isosceles | Pass |
| testTriangle11 | 10,10,10 | Equilateral | Equilateral | Pass |
| test Triangle12 | 4,8,10 | NotATriangle | NotATriangle | Pass |
| test Triangle13 | 5,9,11 | NotATriangle | NotATriangle | Pass |

Summary:

|  |  |  |
| --- | --- | --- |
|  | Test Run 1 | Test Run 2 |
| Tests Planned | 3 | 16 |
| Tests Executed | 3 | 16 |
| Tests Passed | 0 | 16 |
| Defects Found | 3 | 0 |
| Defects Fixed | 3 | 0 |