**The test matrix**

|  |  |  |
| --- | --- | --- |
|  | Test Run 1 | Test Run 2 |
| Tests Planned | 6 | 11 |
| Tests Executed | 6 | 11 |
| Tests Passed | 2 | 11 |
| Defects Found | 5 | 0 |
| Defects Fixed | 0 | 5 |

To increase test coverage, I had to think of both positive and negative scenarios for all types of triangles. Specially if the values are in fractions or decimals. Look around the imaginary values. I tried out all these things and come with optimal number of testcases that needed to confirm that there are enough test cases to test the code.