1. **Assignment Description**: the results of running your test set against the improved implementation of classifyTriangle

2. **Author**: Zhe Sun

3. **Summary**: the test results after I update the judging triangle function

- all passed this time

- reflection – all the scripts should be examined carefully, even the parts seems quite easy and simply, there may lies faults too

5. **Honor pledge: the profesoor who is delivering this course to us**

6. **Detailed results, if any: No**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test ID** | **Input** | **Expected Results** | **Actual Result** | **Pass or Fail** |
| 01 | 4, 4, 3 | Isosceles | Isosceles | P |
| 4, 4, 4 | Equilateral | Equilateral | P |
| 02 | 1, math.sqrt(2), 1 | Isosceles Right | Isosceles Right | P |
| 5, 12, 13 | Scalene right | Scalene right | P |
| 03 | 3, 8, 9 | Scalene | Scalene | P |
| 8, 3, 9 | Scalene | Scalene | P |
| 8, 8, 9 | Isosceles | Isosceles | P |
| 04 | 5, 13, 12 | Scalene Right | Scalene Right | P |
| 1, math.sqrt(2), 1 | Isosceles Right | Isosceles Right | P |
| 05 | 1, 1, 4 | InvalidInput | InvalidInput | P |
| 1, 4, 1 | InvalidInput | InvalidInput | P |
| -1, 4, 1 | InvalidInput | InvalidInput | P |
| 06 | 1, 1, 1 | Equilateral | Equilateral | P |
| 4, 4, 1 | Isosceles | Isosceles | P |

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| --- | --- | --- | --- |
|  | Test Run 1 | Test Run2 | …. |
| Tests Planned | To test invalid lengths of triangle, Isosceles, Equilateral, Isosceles Right, Scalene right, Scalene, triangle clarification | To test invalid lengths of triangle, Isosceles, Equilateral, Isosceles Right, Scalene right, Scalene, triangle clarification |  |
| Tests Executed | All the test as planned | All the test as planned |  |
| Tests Passed | Invalid lengths of the triangle | Passed all |  |
| Defects Found | Line 35 b<=b  Isinstance function is not necessary, when we run into a situation Isosceles Right triangle, and the constrains which could found a triangle is not correct, and the if statements are not adequate, because the triangle could not only a Isosceles triangle, but also could be a Isosceles Right triangle, and the sequence of the judging statements have to be changed. | no |  |
| Defects Fixed | Change all the defects detected above | no |  |