Chris Weigel – Homework 2

Results of running test suite against initial triangle.py:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test ID** | **Input** | **Expected Results** | **Actual Result** | **Pass or Fail** |
| Invalid A | a, 1, 1 | InvalidInput | InvalidInput | Pass |
| Invalid B | 1, -1, 1 | InvalidInput | InvalidInput | Pass |
| Invalid C | 1,1,a | InvalidInput | InvalidInput | Pass |
| Right A | 3,4,5 | Right | InvalidInput | Fail |
| Right B | 5,3,4 | Right | InvalidInput | Fail |
| Right C | 4,5,3 | Right | InvalidInput | Fail |
| Not A | 1,1,2 | NotATriangle | InvalidInput | Fail |
| Not B | 1,2,1 | NotATriangle | InvalidInput | Fail |
| Not C | 2,1,1 | NotATriangle | InvalidInput | Fail |
| Scalene | 2,3,4 | Scalene | InvalidInput | Fail |
| Isoceles A | 2,2,3 | Isoceles | InvalidInput | Fail |
| Isoceles B | 2,3,2 | Isoceles | InvalidInput | Fail |
| Isoceles C | 3,2,2 | Isoceles | InvalidInput | Fail |
| Equilateral | 1,1,1 | Equilateral | InvalidInput | Fail |

Results of running test suite against debugged triangle.py:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test ID** | **Input** | **Expected Results** | **Actual Result** | **Pass or Fail** |
| Invalid A | a, 1, 1 | InvalidInput | InvalidInput | Pass |
| Invalid B | 1, -1, 1 | InvalidInput | InvalidInput | Pass |
| Invalid C | 1,1,a | InvalidInput | InvalidInput | Pass |
| Right A | 3,4,5 | Right | Right | Pass |
| Right B | 5,3,4 | Right | Right | Pass |
| Right C | 4,5,3 | Right | Right | Pass |
| Not A | 1,1,2 | NotATriangle | NotATriangle | Pass |
| Not B | 1,2,1 | NotATriangle | NotATriangle | Pass |
| Not C | 2,1,1 | NotATriangle | NotATriangle | Pass |
| Scalene | 2,3,4 | Scalene | Scalene | Pass |
| Isoceles A | 2,2,3 | Isoceles | Isoceles | Pass |
| Isoceles B | 2,3,2 | Isoceles | Isoceles | Pass |
| Isoceles C | 3,2,2 | Isoceles | Isoceles | Pass |
| Equilateral | 1,1,1 | Equilateral | Equilateral | Pass |

Note: The below accounts for defects found *per run*, not cumulative.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Run 1 | Run 2 | Run 3 | Run 4 | Run 5 | Run 6 | Run 7 |
| Tests Planned | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Tests Executed | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Tests Passed | 3 | 4 | 6 | 9 | 10 | 13 | 14 |
| Defects Found | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| Defects Fixed | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

As to how number of test cases was determined, there are 3 input positions, each of which needed to be tested for “Right, Not, Isoceles, Invalid”. Additionally, Equilateral and Scalene each require a single case. Thus, 14 total.

Repo link:

https://github.com/saregos/ssw567homework2.git