

Software Engineering Lab 6


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Assignment 1: JUnit Tests

测试用例:

```
1  import junit.framework.TestCase;
2  import org.junit.Test;
3  import static org.junit.Assert.assertEquals;
4
5
6
7  // triOut is output from the routine:
8  //   Triang = 1 if triangle is scalene      1=普通三角形
9  //   Triang = 2 if triangle is isosceles   2=等腰三角形
10 //   Triang = 3 if triangle is equilateral 3=等边三角形
11 //   Triang = 4 if not a triangle
12
13 public class tritypTest extends TestCase {
14     trityp trip = new trityp();
15
16     @Test
17     public void testTriang1(){
18         assertEquals( expected: 1, trip.Triang(2,3,4));
19     }
20
21     @Test
22     public void testTriang2(){
23         assertEquals( expected: 2, trip.Triang(4,4,2));
24         assertEquals( expected: 2, trip.Triang(3,5,5));
25         assertEquals( expected: 2, trip.Triang(3,2,3));
26     }
27
28     @Test
29     public void testTriang3() { assertEquals( expected: 3, trip.Triang(3,3,3)); }
30
31
32     @Test
33     public void testTriang4(){
34         assertEquals( expected: 4, trip.Triang(6,2,2));
35         assertEquals( expected: 4, trip.Triang(-1,5,5));
36         assertEquals( expected: 4, trip.Triang(3,-1,3));
37         assertEquals( expected: 4, trip.Triang(4,4,-1));
38         assertEquals( expected: 4, trip.Triang(3,2,5));
39         assertEquals( expected: 4, trip.Triang(3,6,3));
40     }
41 }
42 }
```

结果：

 trityp	100% (1/1)	50% (2/4)	59% (28/47)	100% (17/1...
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59% of line coverage

100% of branch coverage