Software Engineering
: Junit Test Case Generation

소프트웨어학과
201333186 문지환

1# Use the Junit Test Case Generation

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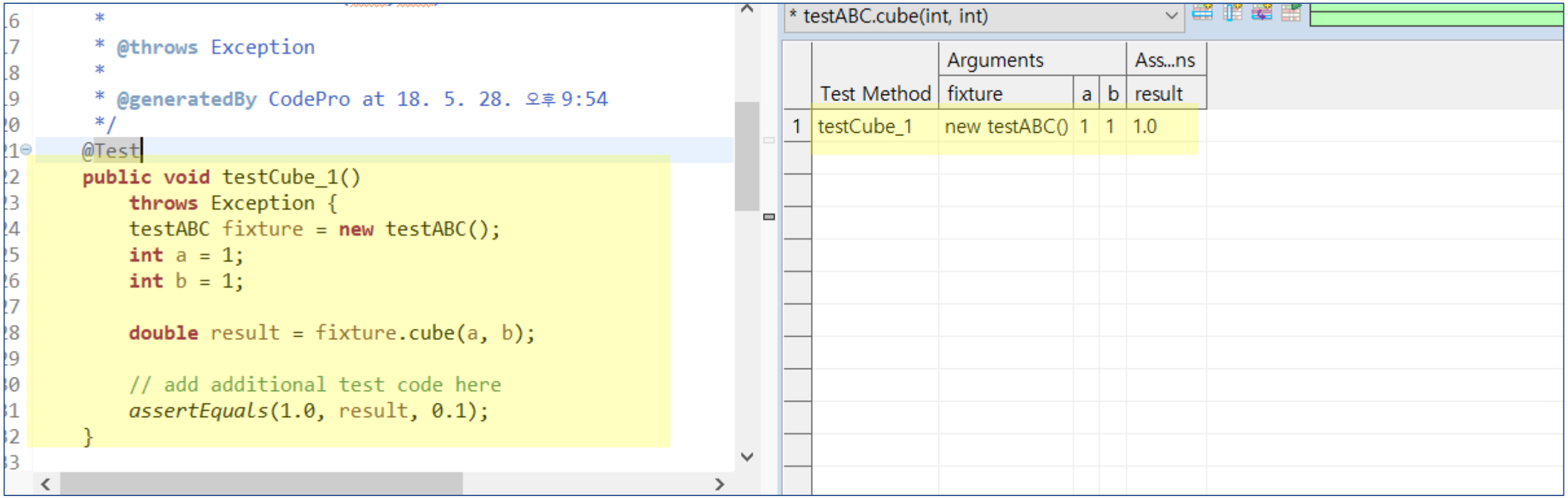

```
 *
 * @throws Exception
 *
 * @generatedBy CodePro at 18. 5. 28. 오후 9:54
 */
@Test
public void testCube_1()
    throws Exception {
    testABC fixture = new testABC();
    int a = 1;
    int b = 1;

    double result = fixture.cube(a, b);

    // add additional test code here
    assertEquals(1.0, result, 0.1);
}
```

* testABC.cube(int, int)

	Test Method	Arguments			Ass...ns
		fixture	a	b	result
1	testCube_1	new testABC()	1	1	1.0

Just testing
Generated Codes

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* testABC.cube(int, int)

	Test Method	Arguments			Ass...ns
		fixture	a	b	result
1	testCube_1	new testABC()	1	1	1.0
2	testCube_2	new testABC()	2	3	4
3	testCube_3	new testABC()	3	3	27
4	testCube_4	new testABC()	5	3	125
5	testCube_5	new testABC()	7	3	49
6	testCube_6	new testABC()	10	3	1000

```
21    @Test
22    public void testCube_1()
23        throws Exception {
24        testABC fixture = new testABC();
25        int a = 1;
26        int b = 1;
27
28        double result = fixture.cube(a, b);
29
30        // add additional test code here
31        assertEquals(1.0, result, 0.1);
32    }
33
34    @Test
35    public void testCube_2()
36        throws Exception {
37        testABC testABC = new testABC();
38        int a = 2;
39        int b = 3;
40        double result = testABC.cube(a, b);
41        assertEquals(4, result, 0.1);
42    }
```

```
44    @Test
45    public void testCube_3()
46        throws Exception {
47        testABC testABC = new testABC();
48        int a = 3;
49        int b = 3;
50        double result = testABC.cube(a, b);
51        assertEquals(27, result, 0.1);
52    }
53
54    @Test
55    public void testCube_4()
56        throws Exception {
57        testABC testABC = new testABC();
58        int a = 5;
59        int b = 3;
60        double result = testABC.cube(a, b);
61        assertEquals(125, result, 0.1);
62    }
```

```
64    @Test
65    public void testCube_5()
66        throws Exception {
67        testABC testABC = new testABC();
68        int a = 7;
69        int b = 3;
70        double result = testABC.cube(a, b);
71        assertEquals(49, result, 0.1);
72    }
73
74    @Test
75    public void testCube_6()
76        throws Exception {
77        testABC testABC = new testABC();
78        int a = 10;
79        int b = 3;
80        double result = testABC.cube(a, b);
81        assertEquals(1000, result, 0.1);
82    }
```

Generated codes
Including wrong
Expected value

1# Use the Junit Test Case Generation

* testABC.cube(int, int)

	Test Method	Arguments			Ass...ns
		fixture	a	b	result
1	testCube_1	new testABC()	1	1	1.0
2	testCube_2	new testABC()	2	3	8
3	testCube_3	new testABC()	3	3	27
4	testCube_4	new testABC()	5	3	125
5	testCube_5	new testABC()	7	3	343
6	testCube_6	new testABC()	10	3	1000

```
22      public void testCube_1()
23          throws Exception {
24          testABC fixture = new testABC();
25          int a = 1;
26          int b = 1;
27
28          double result = fixture.cube(a, b);
29
30          // add additional test code here
31          assertEquals(1.0, result, 0.1);
32      }
33
34      @Test
35      public void testCube_2()
36          throws Exception {
37          testABC testABC = new testABC();
38          int a = 2;
39          int b = 3;
40          double result = testABC.cube(a, b);
41          assertEquals(8, result, 0.1);
42      }
```

```
44      @Test
45      public void testCube_3()
46          throws Exception {
47          testABC testABC = new testABC();
48          int a = 3;
49          int b = 3;
50          double result = testABC.cube(a, b);
51          assertEquals(27, result, 0.1);
52      }
53
54      @Test
55      public void testCube_4()
56          throws Exception {
57          testABC testABC = new testABC();
58          int a = 5;
59          int b = 3;
60          double result = testABC.cube(a, b);
61          assertEquals(125, result, 0.1);
62      }
```

```
65      public void testCube_5()
66          throws Exception {
67          testABC testABC = new testABC();
68          int a = 7;
69          int b = 3;
70          double result = testABC.cube(a, b);
71          assertEquals(343, result, 0.1);
72      }
73
74      @Test
75      public void testCube_6()
76          throws Exception {
77          testABC testABC = new testABC();
78          int a = 10;
79          int b = 3;
80          double result = testABC.cube(a, b);
81          assertEquals(1000, result, 0.1);
82      }
```

Generated codes
Including correct
Expected value