Software Engineering
: Junit Test Case Generation

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1# Use the Junit Test Case Generation

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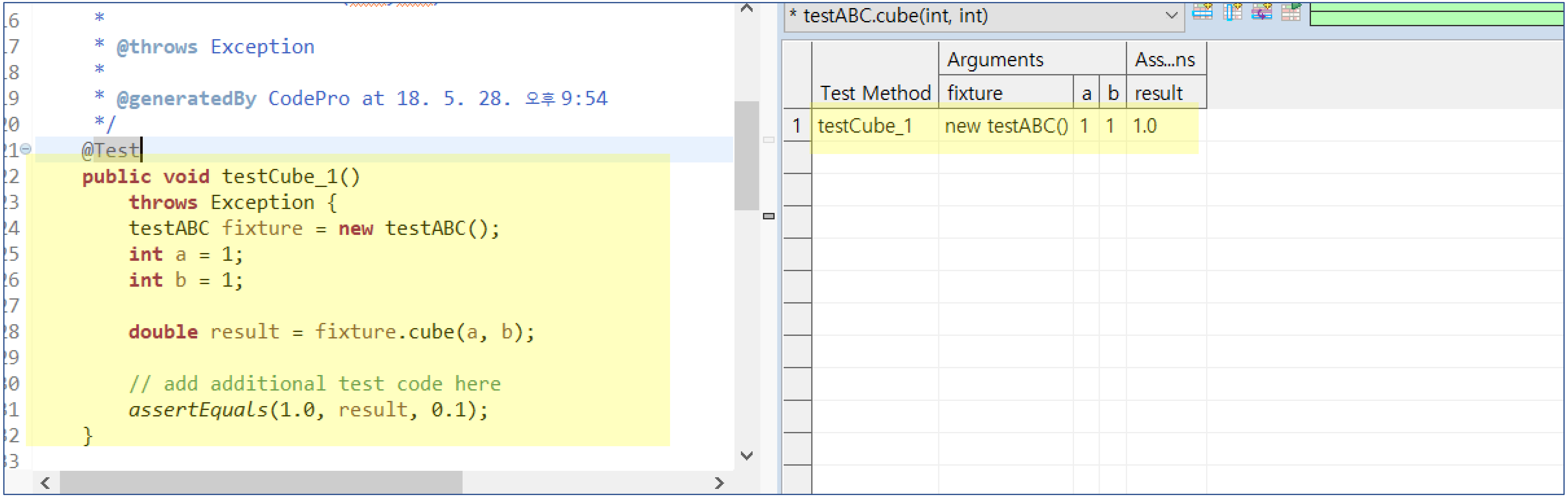


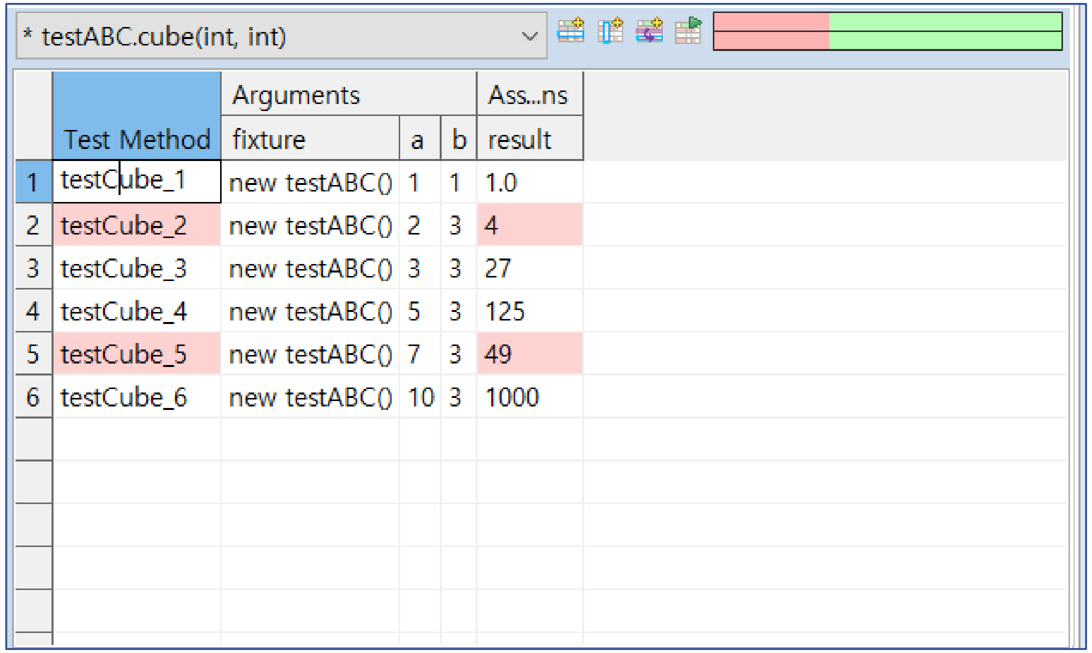
```
     *
     * @throws Exception
     *
     * @generatedBy CodePro at 18. 5. 28. 오후 9:54
     */
    @Test
    public void testCube_1()
        throws Exception {
        testABC fixture = new testABC();
        int a = 1;
        int b = 1;

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

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

* testABC.cube(int, int)

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

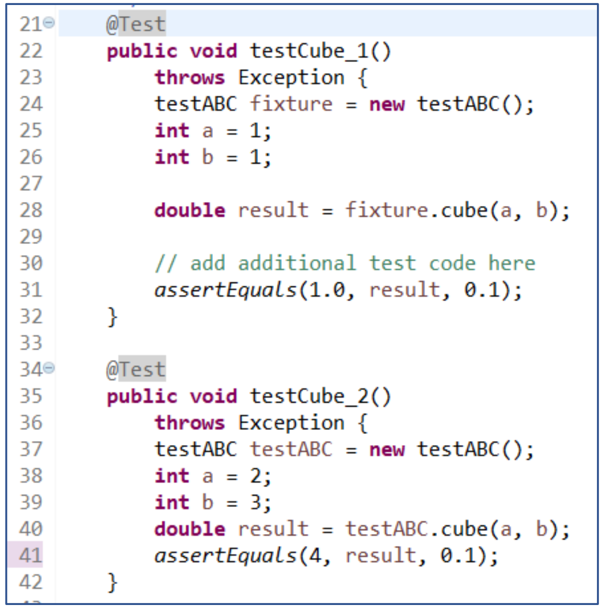
Just testing
Generated Codes

1# Use the Junit Test Case Generation

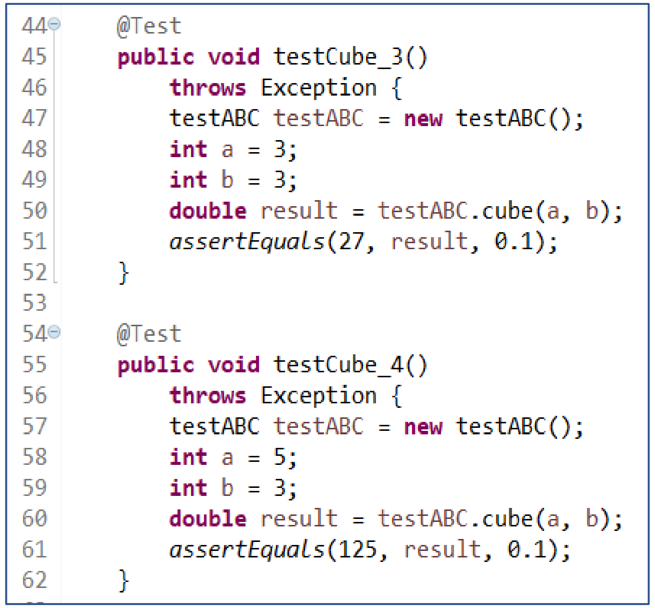


* testABC.cube(int, int)

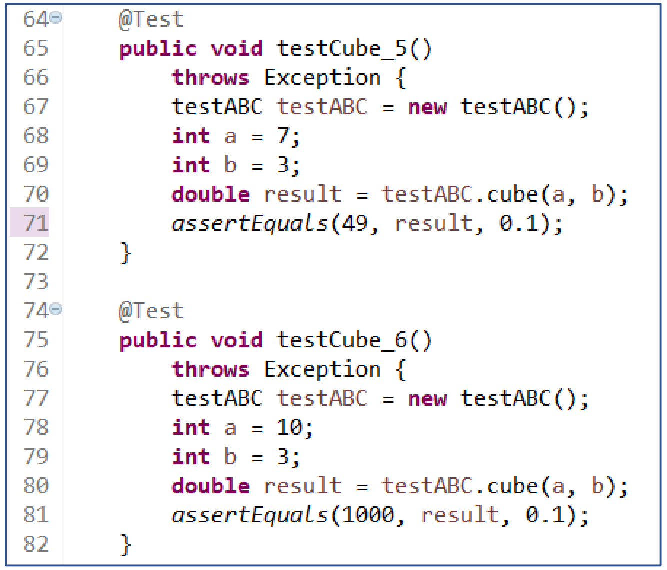
	Test Method	Arguments			Ass...ns
		fixture	a	b	result
1	testCube_1	new testABC()	1	1	1.0
2	testCube_2	new testABC()	2	3	4
3	testCube_3	new testABC()	3	3	27
4	testCube_4	new testABC()	5	3	125
5	testCube_5	new testABC()	7	3	49
6	testCube_6	new testABC()	10	3	1000



```
    @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);
    }

    @Test
    public void testCube_2()
        throws Exception {
        testABC testABC = new testABC();
        int a = 2;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(4, result, 0.1);
    }
```



```
    @Test
    public void testCube_3()
        throws Exception {
        testABC testABC = new testABC();
        int a = 3;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(27, result, 0.1);
    }

    @Test
    public void testCube_4()
        throws Exception {
        testABC testABC = new testABC();
        int a = 5;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(125, result, 0.1);
    }
```

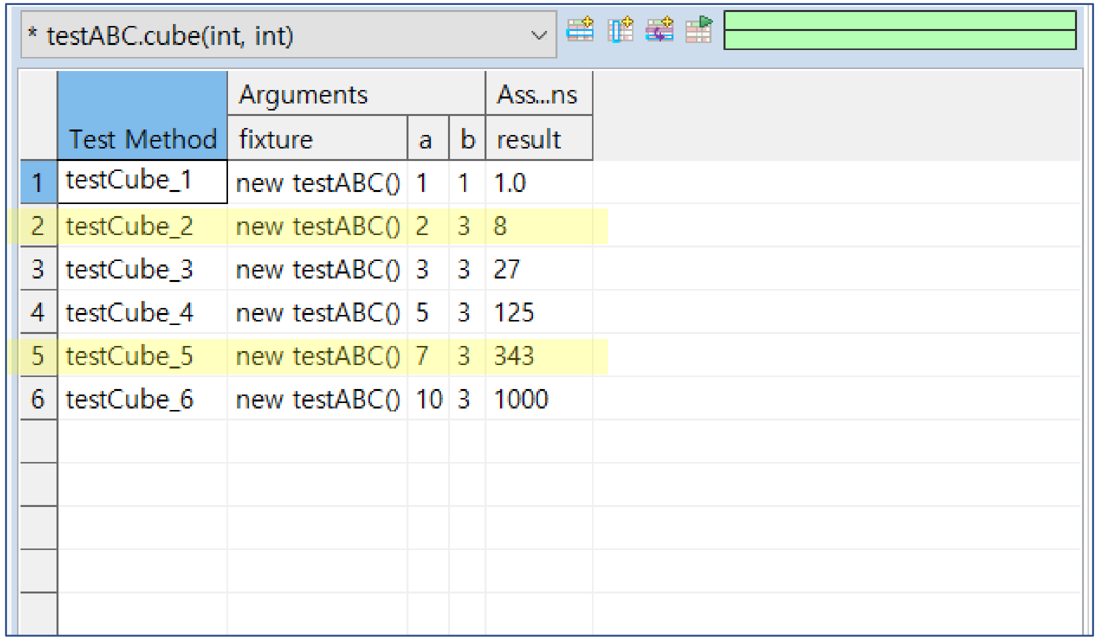


```
    @Test
    public void testCube_5()
        throws Exception {
        testABC testABC = new testABC();
        int a = 7;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(49, result, 0.1);
    }

    @Test
    public void testCube_6()
        throws Exception {
        testABC testABC = new testABC();
        int a = 10;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(1000, result, 0.1);
    }
```

Generated codes

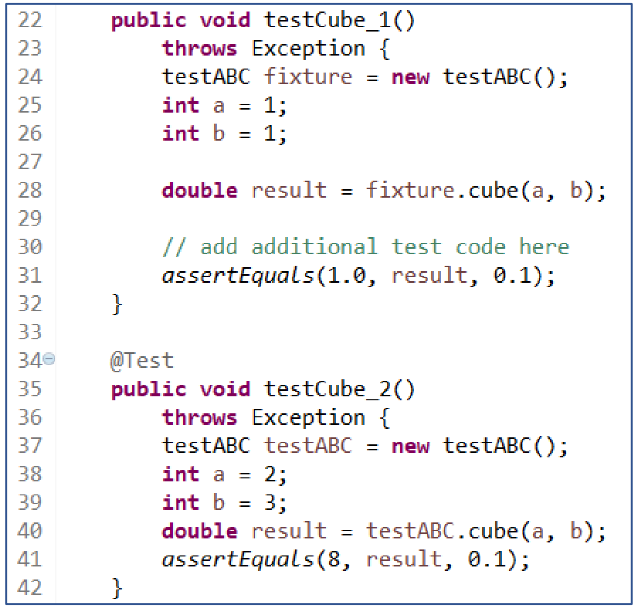
Including wrong Expected value

1# Use the Junit Test Case Generation

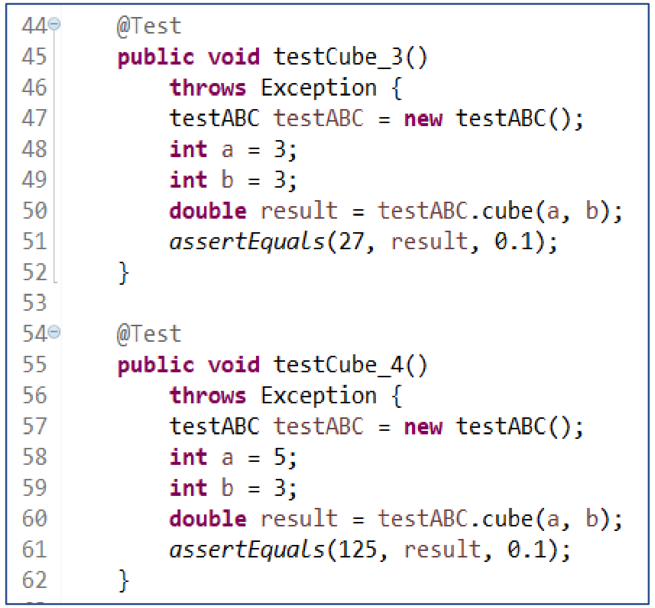


* testABC.cube(int, int)

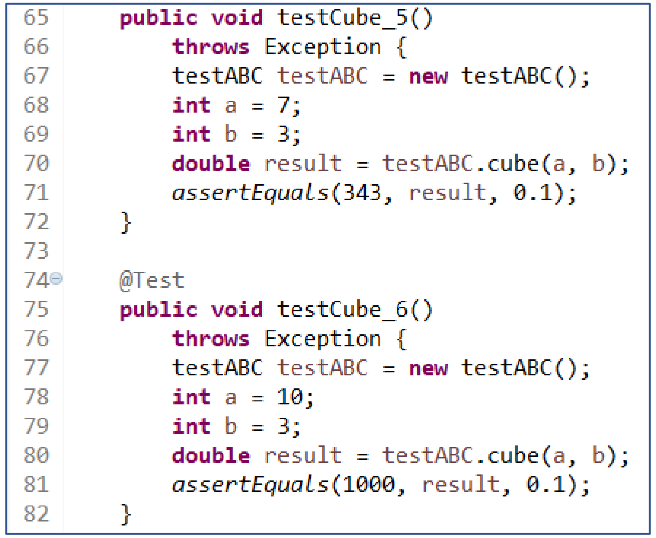
		Arguments			Ass...ns
	Test Method	fixture	a	b	result
1	testCube_1	new testABC()	1	1	1.0
2	testCube_2	new testABC()	2	3	8
3	testCube_3	new testABC()	3	3	27
4	testCube_4	new testABC()	5	3	125
5	testCube_5	new testABC()	7	3	343
6	testCube_6	new testABC()	10	3	1000



```
    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);
    }

    @Test
    public void testCube_2()
        throws Exception {
        testABC testABC = new testABC();
        int a = 2;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(8, result, 0.1);
    }
```



```
    @Test
    public void testCube_3()
        throws Exception {
        testABC testABC = new testABC();
        int a = 3;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(27, result, 0.1);
    }

    @Test
    public void testCube_4()
        throws Exception {
        testABC testABC = new testABC();
        int a = 5;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(125, result, 0.1);
    }
```



```
    public void testCube_5()
        throws Exception {
        testABC testABC = new testABC();
        int a = 7;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(343, result, 0.1);
    }

    @Test
    public void testCube_6()
        throws Exception {
        testABC testABC = new testABC();
        int a = 10;
        int b = 3;
        double result = testABC.cube(a, b);
        assertEquals(1000, result, 0.1);
    }
```

Generated codes

Including correct Expected value