

# JUnit

- description : JUnit
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## JUnit

[JUnit A Cook's Tour](#)

[JUnit5](#)

( 3 )

1. @Test가 public void 가
2. .
3. @Before가 가 .
4. @Test가 .
5. @After가 가 .
6. 2~5 .
7. .

1. JAVA > src "JUnitStudy" > Scoreable.java class
2. src test

## JUnit

JUnit Test Class eclipse



1. Test class > New > JUnit Test Case



2. "class name"/src className+"Test.java" . "class name"/test test
  - 가 New JUnit Test Case 가 . OK

Tip: New JUnit Test Case New JUnit 4 test

3. > Run As > Junit Test Run

4. Run JUnit 가
  - error가
  - error

## Trouble Shooting

JUnit5 (X), JUnit4 (O)

- JUnit5 가 JUnit4
- Java eclipse IntelliJ IDE
  - 5 가

## Annotation

|              |             |
|--------------|-------------|
|              |             |
| @Test        | Method Test |
| @BeforeClass | 가           |
| @AfterClass  | 가           |
| @Before      | 가           |
| @After       | 가           |
| @Ignore      | TestCase    |

## Assert

| Assert      |   |
|-------------|---|
| assertTrue  | 가 |
| assertFalse | 가 |

| Assert  |  |
|---|--|
| assertEqual   | 가  |
| <pre> assertThat * assertThat(2.32*3, equalTo(6.96)) → assertTrue(Math.abs ( ( 2.32 * 3 ) - 6.96) &lt; 0.0005) *      가 가 assertThat('      ',      , matcher) *                     </pre> | <pre> * assertThat(      , matcher) matcher equalTo() is(true) startsWith('xyz') not(equalTo()) is(not(nullValue())) is(notNullValue()) closeTo(, ) import static org.hamcrest.number.IsCloseTo.*                     </pre> |
| <pre> import static org.junit.Assert.* import static org.hamcrest.CoreMatchers.*  , failure                     </pre>  |  |

## Tip

## Related knowledge

### xUnit

xUnit .

JUnit xUnit .

| xUnit   |        |   |
|---------|--------|---|
| CUnit   | C      | <a href="http://cunit.sourceforge.net/">http://cunit.sourceforge.net/</a>                         |
| CppUnit | C++    | <a href="https://sourceforge.net/projects/cppunit/">https://sourceforge.net/projects/cppunit/</a> |
| PHPUnit | PHp    | <a href="https://phpunit.de/">https://phpunit.de/</a>   |
| PyUnit  | Python | <a href="http://pyunit.sourceforge.net/">http://pyunit.sourceforge.net/</a>                       |
| JUnit   | Java   | <a href="http://junit.org/">http://junit.org/</a>   |

## Terms

FIRST( , , 가 , 가 , )

Fast

Isolated

Repeatable

Self-validating

Timely

A.A.A( , , )

Arrange

Act

Assert

## Ref

| JUnit ( )

, JUnit, junit

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