

# JUnit

- description : JUnit
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## JUnit

[JUnit A Cook's Tour](#)

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 . "class name"/test test  
className+"Test.java" .

- 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                                                                                                                                                                                                                                    |
| assertEquals                                                                                                                                                                                                        | 가                                                                                                                                                                                                                                    |
| assertThat<br>*<br>assertThat(2.32*3, equalTo(6.96))<br>→ assertTrue(Math.abs ( ( 2.32 * 3 ) - 6.96) < 0.0005)<br>*                    가 가<br>assertThat('                    ',                    , matcher)<br>* | * assertThat(                    , matcher)<br>matcher<br>equalTo()<br>is(true)<br>startsWith('xyz')<br>not(equalTo())<br>is(not(nullValue()))<br>is(notNullValue())<br>closeTo(, )<br>import static org.hamcrest.number.IsCloseTo.* |

| Assert                                                                                           |  |
|--------------------------------------------------------------------------------------------------|--|
| <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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