JUnit

- description : JUnit
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JUnit

[JUnit A Cook's Tour](#)

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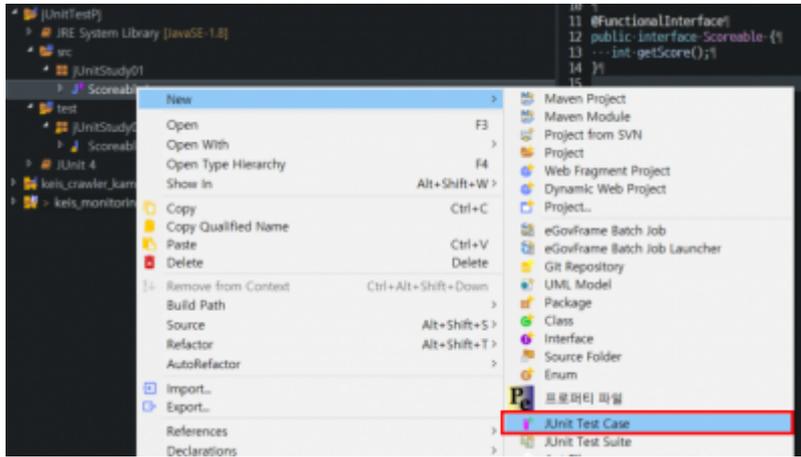[JUnit5](#)

(3)

1. @Test public void
   .
2. .
3. @Before .
4. @Test .
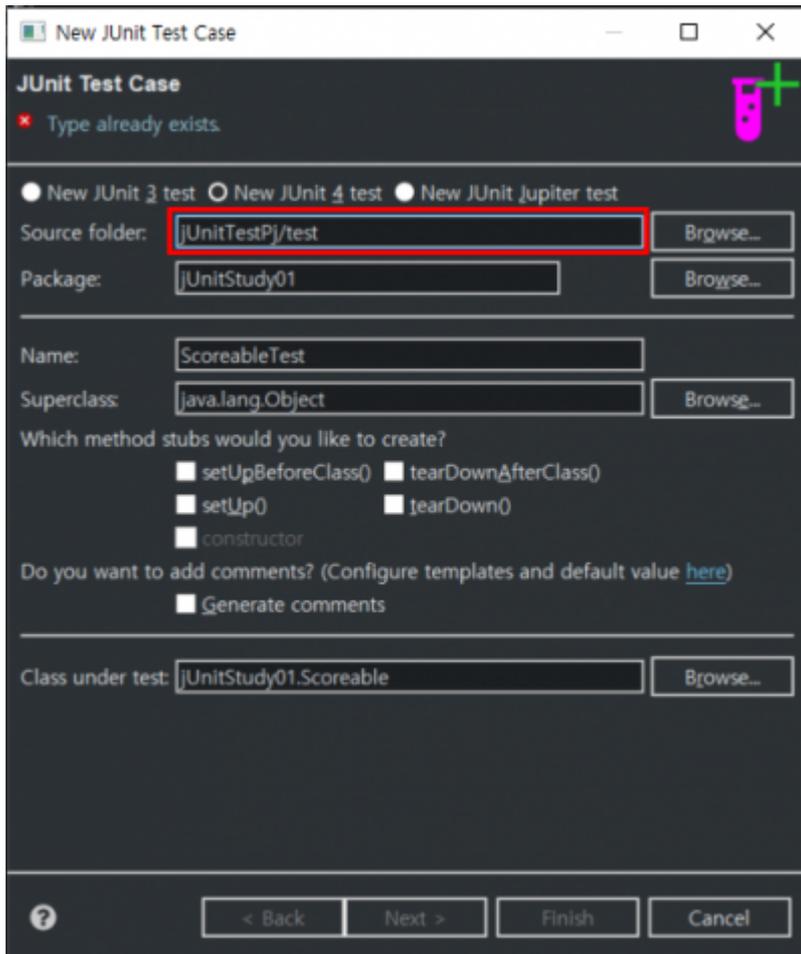5. @After .
6. 2~ 5 .
7. .

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

JUnit

JUnit Test Class eclipse

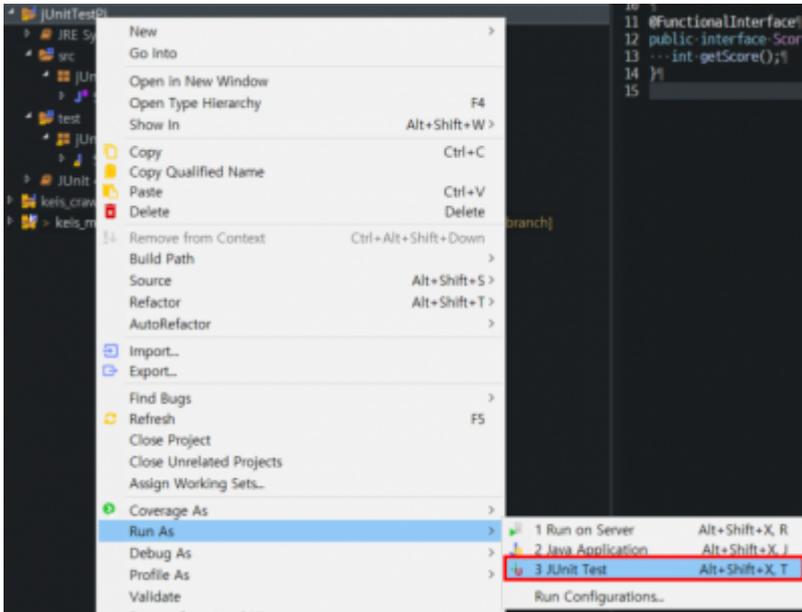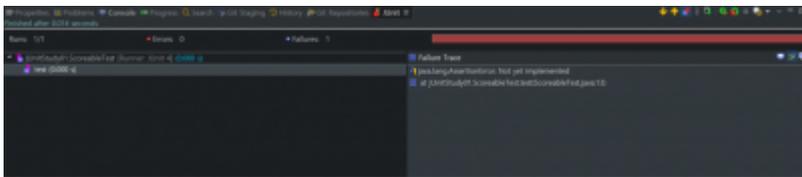1. Test   class   > New > JUnit Test Case

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

-      New JUnit Test Case   . OK
   .

Tip: New JUnit Test Case   New JUnit 4 test
    .

3. > Run As > Junit Test Run .

4. Run JUnit .

- error
- error

Trouble Shooting

> JUnit5 (X), JUnit4 (O)

JUnit5 JUnit4 .

- Java eclipse IntelliJ IDE .
- 5 .

Annotation

@Test	Method Test .
@BeforeClass	.
@AfterClass	.
@Before	.
@After	.
@Ignore	TestCase .

Assert

assert method	assertThat method	static Import	
assertNull(value);	assertThat(actual, nullValue);	org.hamcrest.core.IsNull.nullValue	
assertNotNull(value);	assertThat(actual, notNullValue);	org.hamcrest.core.IsNull.notNullValue	
assertTrue(value);	assertThat(actual, is(true));	org.hamcrest.core.Is.is	
assertTrue(1 > 3);	assertThat(1, greaterThan(3));	org.hamcrest.number.OrderingComparison.greaterThan	
assertTrue("abc".contains("d"));	assertThat("abc", containsString("d"));	org.hamcrest.core.StringContains.containsString	
assertFalse(value);	assertThat(actual, is(false));	org.hamcrest.core.Is.is	
assertEquals("expected", "actual");	assertThat("actual", is("expected"));	org.hamcrest.core.Is.is	
assertArrayEquals(new String[]{"test1", "test2"}, new String[]{"test3", "test4"});	assertThat(new String[]{"test1", "test2"}, is(new String[]{"test3", "test4"}));	org.hamcrest.core.Is.is	
assertSame(expected, actual);	assertThat(actual, sameInstance(expected));	org.hamcrest.core.IsSame.sameInstance	
assertNotSame(expected, actual);	assertThat(actual, not(sameInstance(expected)));	org.hamcrest.core.IsNot.not, org.hamcrest.core.IsSame.sameInstance	
assertThat * assertThat(2.32*3, equalTo(6.96)) → assertTrue(Math.abs ((2.32 * 3) - 6.96) < 0.0005) * assertThat(' ', , matcher) *	assertThat * assertThat(2.32*3, equalTo(6.96)) → assertTrue(Math.abs ((2.32 * 3) - 6.96) < 0.0005) * assertThat(' ', , , matcher) *		* assertThat(, , matcher) matcher equalTo() is(true) startsWith('xyz') not(equalTo()) is(not(nullValue())) is(notNullValue()) closeTo(,) import static org.hamcrest.number.IsCloseTo.*
import static org.junit.Assert.* import static org.hamcrest.CoreMatchers.* , failure			

Tip

Related knowledge

xUnit

xUnit   .

> JUnit   xUnit   .

xUnit		
CUnit	C	http://cunit.sourceforge.net/
CppUnit	C++	https://sourceforge.net/projects/cppunit/

xUnit		
PHPUnit	PHp	https://phpunit.de/
PyUnit	Python	http://pyunit.sourceforge.net/
JUnit	Java	http://junit.org/

Terms

FIRST(,   ,   ,   ,   )
Fast
Isolated
Repeatable
Self-validating
Timely

A.A.A(,   ,   )
Arrange
Act
Assert

Ref

JUnit   (   )

,   , JUnit, junit