JUnit Framework

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JUnit basics

Unit Testing Framework

"Test Driven" Development

Annotations

@BeforeClass - Before any tests

@Before - Before every test

@Test - the test to run

@After - After every test

@AfterClass - After the last test

Assertions

A boolean expression expected to be true

Numerous Assertions available

assertThat() most extensive

  supports "Matchers"

Matchers

Not part of JUnit

human readable

examples

is(3)

isIn([1,2,3])

is(either(containsString("hi")).or(containsString("Hi")))

is(both(greaterThan(2)).and(lessThan(4)))

Exception Testing

@Test(expected= TheException.class)

test passes if exception is thrown