

Annotations

@After
 @AfterClass
 @Before
 @BeforeClass
 @Test
 @Test(expected=Exception.class)
 @Test(timeout=milliseconds)

JUnit Asserts

assertArrayEquals
 assertEquals assertNotEquals
 assertFalse assertTrue
 assertNull assertNotNull
 assertSame assertNotSame
 fail

Assert methods optionally take an error string as the first parameter, followed by *expected* and *actual* values.

Hamcrest Assert

Hamcrest asserts take the form
 assertThat(msg, actual, matcher)
 Example:
 assertThat("Unauthorized User",
 authorizedUser, hasKey(userName))

Core Matchers

allOf, anyOf
 and, both, either, or
 containsString, endsWith, startsWith
 equal
 hasKey
 hasItem, hasItems
 not
 nullValue
 sameInstance

These are the matchers which are included in JUnit 4

Number Matchers

closeTo
 equalTo
 notEqualTo

Array Matchers

arrayContaining
 arrayContainingInAnyOrder
 arrayWithSize
 emptyArray

Collection Matchers

contains
 containsInAnyOrder
 empty
 emptyCollectionOf
 emptyIterableOf
 hasEntry
 hasKey
 hasValue
 isIn
 isOneOf

Bean Matchers

hasProperty
 hasPropertyWithValue
 samePropertyValueAs

Object Matchers

hasToString
 typeCompatibleWith

String Matchers

equalTo
 equalToIgnoreCase
 equalToIgnoreWhiteSpace
 isEmptyOrNullString
 isEmptyString
 stringContainsInOrder



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