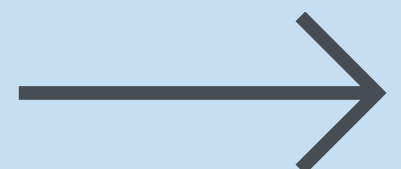# Java - TestNG Cheat Sheet

TestNG Annotations:

@Test:

Denotes a test method.

@BeforeClass:

Runs once before the first test method in the current class.

@AfterClass:

Runs once after all the test methods in the current class.

@BeforeMethod:

Runs before each test method.

@AfterMethod:

Runs after each test method.

@BeforeSuite:

Runs once before all tests in the suite.

@AfterSuite:

Runs once after all tests in the suite.

@BeforeTest:

Runs once before all tests within the current <test> tag.

@AfterTest:

Runs once after all tests within the current <test> tag.

TestNG Assertions:

assertEqual(String actual, String expected);
Asserts that two strings are equal or not.

assertEquals(boolean actual, boolean expected);
Asserts that two boolean values are equal

assertTrue(boolean condition);
Asserts that condition is true.

assertFalse(boolean condition);
Asserts that condition is false.

assertNull(Object object);
Asserts that an object is null.

assertNotNull(Object object);

Asserts that an object is not null.

assertSame(Object actual, Object expected);

Asserts that two objects refer to the same object

assertNotSame(Object actual, Object expected);

Asserts that two objects do not refer to the same objects

TestNG Attributes:

priority:
Set to prioritize the test method for execution.

enabled:
Set to ignore the test method for execution.

invocationCount:
Set to run the test method multiple times.

invocationtimeOut:
Maximum time period provided the test case for all the invocations count set.

timeout

Total time period provided to the test case to completely execute its test case.
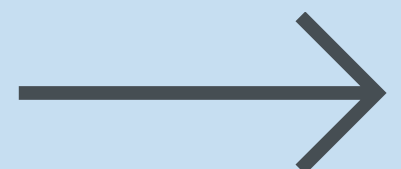
dependsOnMethods:

Inject dependency to the test methods.

groups

To categorize the test case to execute under a specified group.

dependsOnGroups:

Inject dependency to the test methods based on the groups to execute.

TestNG Configuration:
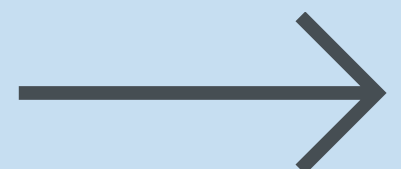
testng.xml:

XML file to configure TestNG tests.

<suite>:

Represents a suite of tests.

<test>

Represents a test within a suite.

<classes>:

Specifies the classes to be included in a test.

<packages>:

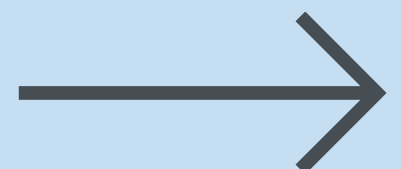Specifies the packages to be included in a test.

<methods>:

Specifies the methods to be included in a test.

<groups>:

Specifies the groups to be included in a test.

<listeners>:

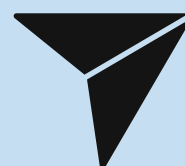Specifies the listeners to be used in a test.

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