



01/10

# Java - TestNG Cheat Sheet



+ TestNG





# 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>:**

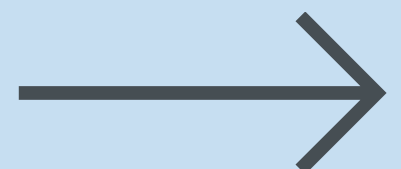
Specifies the methods to be included in a test.

**<groups>:**

Specifies the groups to be included in a test.

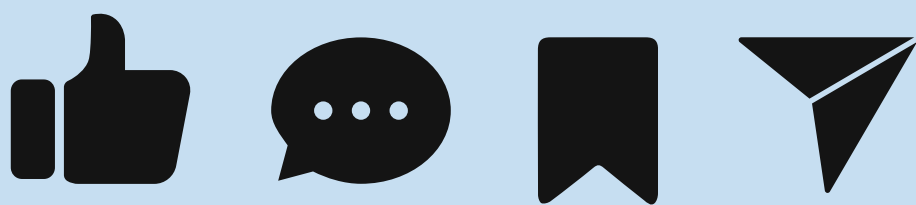
**<listeners>:**

Specifies the listeners to be used in a test.





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