What Are TestNG Annotations?

An annotation is a tag/piece of code that provides additional information about the method.

It is represented by the '@' prefix. It is used to control the execution of test cases.

Execution order of @Annotation in TestNG:

@BeforeSuite

@BeforeTest

@BeforeClass

@BeforeMethod

@Test Method

@AfterMethod

@AfterClass

@AfterTest

@AfterSuite (for the next suite)

Code example:

package tut4\_Annotations;

import org.testng.annotations.AfterClass;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.AfterSuite;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.BeforeSuite;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;

public class TestCase1

{

@BeforeSuite

public void beforeSuit()

{

System.out.println("@BeforeSuite");

}

@BeforeTest

public void beforeTest()

{

System.out.println("@BeforeTest");

}

@BeforeClass

public void beforClass()

{

System.out.println("@BeforeClass");

}

@BeforeMethod //it will execute before every @Test annotations

public void beforMethod()

{

System.out.println("@BeforeMthod");

}

@Test

public void test1()

{

System.out.println("@Test1");

}

@Test

public void test2()

{

System.out.println("@Test2");

}

@AfterMethod

public void afterMethod()

{

System.out.println("@AfterMethod");

}

@AfterClass

public void afterClass()

{

System.out.println("@AfterClass");

}

@AfterTest

public void afterTest() {

System.out.println("@AfterTest");

}

@AfterSuite

public void afterSuite()

{

System.out.println("@AfterSuite");

}

}

package tut4\_Annotations;

import org.testng.annotations.Test;

public class TestCase2

{

@Test

public void test3()

{

System.out.println("@Test3");

}

@Test

public void test4()

{

System.out.println("@Test4");

}

}

*XML file:*

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.0.dtd">

<suite name="Suite">

<test thread-count="5" name="Test">

<classes>

<class name="tut4\_Annotations.TestCase1"/>

<class name="tut4\_Annotations.TestCase2"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->