

TestNG Lecture 2: Annotations in TestNG

What are TestNG Annotations?

Annotations in TestNG are used to control the execution flow of test cases. These annotations help define test methods, setup methods, and teardown methods, making test execution more organized and flexible.

Commonly Used TestNG Annotations

@Test

This annotation marks a method as a test case.

@BeforeMethod and @AfterMethod

@BeforeMethod runs before each test method. @AfterMethod runs after each test method.

@BeforeClass and @AfterClass

@BeforeClass runs once before any test method in the class. @AfterClass runs once after all test methods in the class.

@BeforeTest and @AfterTest

@BeforeTest executes before all test methods within a <test> tag in XML. @AfterTest executes after all test methods within a <test> tag in XML.

@BeforeSuite and @AfterSuite

@BeforeSuite runs once before all tests in a test suite. @AfterSuite runs once after all tests in a test suite.

Execution Order of Annotations in TestNG

1. @BeforeSuite - Runs once before all tests in the suite.
2. @BeforeTest - Runs before any test methods in the <test> tag.
3. @BeforeClass - Runs once before any methods in the class.
4. @BeforeMethod - Runs before each @Test method.
5. @Test - The actual test case execution.
6. @AfterMethod - Runs after each @Test method.
7. @AfterClass - Runs once after all methods in the class.
8. @AfterTest - Runs after all test methods in the <test> tag.
9. @AfterSuite - Runs once after all tests in the suite.