What is TestNG?

TestNG is a testing framework used to run multiple test cases simultaneously, making it ideal for automation testing.

It also provides features like annotations, parallel execution, grouping of tests, and report generation.

Execution order of @Annotation in TestNG:

@BeforeSuite

@BeforeTest

@BeforeClass

@BeforeMethod

@Test Method

@AfterMethod

@AfterClass

@AfterTest

@AfterSuite (for the next suite)

Points to Remember for Writing TestNG Test Cases:

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1.TestNG does not require a main() method.

2.Methods do not need to be static.

3.The @Test annotation indicates that a method is a test case.

Example:

package manPackageTest;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.annotations.Test;

public class DemoTest

{

@Test

public void verifyPageTitle()

{

WebDriver driver=new ChromeDriver();

driver.manage().window().maximize();

driver.get("https://google.com");

//title Google

String expectedTitle="Google";

String actualTitle=driver.getTitle();

Assert.assertEquals(expectedTitle, actualTitle);

}

}

4.Import the org.testng.annotations.\* package.

5.Assert Class: Use the Assert class for verification operations.

Assert Class:

The Assert class is used to verify that the expected result matches the actual result in TestNG. To use it, import the org.testng.Assert package.