

Perform Test Annotations

TestAnnotations.java

```
package com.TestNG;

import org.testng.annotations.AfterClass;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

public class TestAnnotations {

    @Test
    public void Test1() {
        System.out.println("This is Test Annotations");
    }

    @BeforeTest
    public void Test3() {
        System.out.println("This is @BeforeTest Annotations");
    }

    @AfterTest
    public void Test4() {
        System.out.println("This is @AfterTest Annotations");
    }

    @BeforeClass
    public void Test5() {
        System.out.println("This is @BeforeClass Annotations");
    }

    @AfterClass
    public void Test6() {
        System.out.println("This is @AfterClass Annotations");
    }

    @BeforeMethod
    public void Test7() {
        System.out.println("This is @BeforeMethod Annotations");
    }

    @AfterMethod
    public void Test8() {
        System.out.println("This is @AfterMethod Annotations");
    }
}
```

TestAnnotations.xml

```
<?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="com.TestNG.TestAnnotations"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

Output

A screenshot of the Eclipse IDE's console window. The console shows the execution of a TestNG test. The output starts with a header line: "<terminated> SeleniumPractice_TestAnnotations.xml [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (13-Jul-2023, 3:32:13 pm - 3:32:22 pm) [pid: 26120]". This is followed by two lines: "[RemoteTestNG] detected TestNG version 6.7.0" and "[TestNG] Running:". The next line shows the path to the test file: "D:\Eclipse\Workspace\SeleniumPractice\TestAnnotations.xml". Then, there are six lines of log messages: "This is @BeforeTest Annotations", "This is @BeforeClass Annotations", "This is @BeforeMethod Annotations", "This is Test Annotations", "This is @AfterMethod Annotations", "This is @AfterClass Annotations", and "This is @AfterTest Annotations". After these, there is a separator line of equals signs. The next line is "Suite", followed by "Total tests run: 1, Failures: 0, Skips: 0", and another separator line of equals signs. The console window has tabs for "Problems", "Javadoc", "Declaration", and "Console". The "Console" tab is active. The window title bar shows standard Windows icons and the file path "D:\Eclipse\Workspace\SeleniumPractice\TestAnnotations.xml".

```
<terminated> SeleniumPractice_TestAnnotations.xml [TestNG] C:\Program Files\Java\jdk-20\bin\javaw.exe (13-Jul-2023, 3:32:13 pm - 3:32:22 pm) [pid: 26120]
[RemoteTestNG] detected TestNG version 6.7.0
[TestNG] Running:
  D:\Eclipse\Workspace\SeleniumPractice\TestAnnotations.xml

This is @BeforeTest Annotations
This is @BeforeClass Annotations
This is @BeforeMethod Annotations
This is Test Annotations
This is @AfterMethod Annotations
This is @AfterClass Annotations
This is @AfterTest Annotations

=====
Suite
Total tests run: 1, Failures: 0, Skips: 0
=====
```