

Phase – 5 Practice Project: Assisted Practice

8. Perform All Test Annotations.

- Code

- ✓ pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>Assisted-Practice-Project-5.8</groupId>
  <artifactId>Assisted-Practice-Project-5.8</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <!--

      https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium
      -java -->
      <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-java</artifactId>
        <version>4.10.0</version>
      </dependency>

    <!--

      https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium
      -chrome-driver -->
      <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-chrome-driver</artifactId>
        <version>4.10.0</version>
      </dependency>

    <!--

      https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium
      -firefox-driver -->
      <dependency>
        <groupId>org.seleniumhq.selenium</groupId>
        <artifactId>selenium-firefox-driver</artifactId>
        <version>4.10.0</version>
      </dependency>

      <dependency>
        <groupId>org.testng</groupId>
        <artifactId>testng</artifactId>
        <version>7.8.0</version>
        <scope>compile</scope>
      </dependency>

    <!-- ReportNG-->
    <dependency>
```

```

        <groupId>org.uncommons</groupId>
        <artifactId>reportng</artifactId>
        <version>1.1.4</version>
    </dependency>
    <dependency>
        <groupId>com.google.inject</groupId>
        <artifactId>guice</artifactId>
        <version>4.2.2</version>
    </dependency>
</dependencies>

<build>
    <plugins>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-compiler-plugin</artifactId>
            <configuration>
                <source>1.8</source>
                <target>1.8</target>
            </configuration>
        </plugin>
        <plugin>
            <groupId>org.apache.maven.plugins</groupId>
            <artifactId>maven-surefire-plugin</artifactId>
            <configuration>
                <suiteXmlFiles>
                    <suiteXmlFile>testng.xml</suiteXmlFile>
                </suiteXmlFiles>

                <properties>
                    <property>
                        <name>usedefaultlisteners</name>
                        <value>>false</value>
                    </property>
                    <property>
                        <name>listener</name>
                        <value>org.uncommons.reportng.HTMLReporter,
                        org.uncommons.reportng.JUnitXMLReporter
                    </value>
                    </property>
                </properties>

            </configuration>
        </plugin>
    </plugins>
</build>

</project>

```

✓ TestAnnotations.java

```
package com.testannotations;

import org.testng.annotations.AfterClass;
import org.testng.annotations.AfterMethod;
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("Test1 Executed");
    }
    @Test

    public void Test2() {
        System.out.println("Test2 Executed");
    }

    @BeforeTest
    public void beforeTest() {
        System.out.println("BeforeTest Executed");
    }
    @org.testng.annotations.AfterTest
    public void AfterTest() {
        System.out.println("AfterTest Executed");
    }

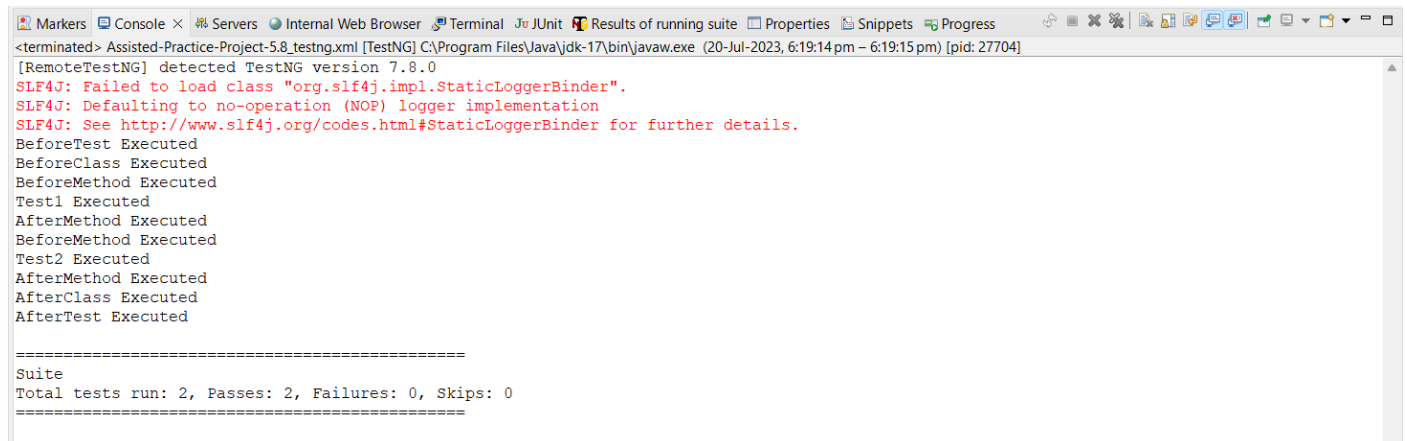
    @BeforeMethod
    public void beforeMethod() {
        System.out.println("BeforeMethod Executed");
    }
    @AfterMethod
    public void afterMethod() {
        System.out.println("AfterMethod Executed");
    }

    @BeforeClass
    public void beforeClass() {
        System.out.println("BeforeClass Executed");
    }
    @AfterClass
    public void afterClass() {
        System.out.println("AfterClass Executed");
    }
}
```

✓ testng.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.testannotations.TestAnnotations"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

• Output

A screenshot of an IDE's console window. The title bar shows several tabs: 'Markers', 'Console', 'Servers', 'Internal Web Browser', 'Terminal', 'JUnit', 'Results of running suite', 'Properties', 'Snippets', and 'Progress'. The 'Console' tab is active. The text in the console is as follows:
<terminated> Assisted-Practice-Project-5.8_testng.xml [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (20-Jul-2023, 6:19:14 pm – 6:19:15 pm) [pid: 27704]
[RemoteTestNG] detected TestNG version 7.8.0
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See <http://www.slf4j.org/codes.html#StaticLoggerBinder> for further details.
BeforeTest Executed
BeforeClass Executed
BeforeMethod Executed
Test1 Executed
AfterMethod Executed
BeforeMethod Executed
Test2 Executed
AfterMethod Executed
AfterClass Executed
AfterTest Executed

=====
Suite
Total tests run: 2, Passes: 2, Failures: 0, Skips: 0
=====