What is TestNG?

This lesson provides a brief introduction to getting started with TestNG.

Introduction

TestNG is an easy-to-use testing framework written in Java, designed for unit, functional, and end-to-end integration tests providing many functionalities. Many plugins are integrated with TestNG.

Writing tests with TestNG is very simple. Write the business logic inside a method. Then annotate the method with `@Test`. Add metadata about the test inside `@Test` like *description, group, priority, enabled,* etc. This process will be covered in the next lesson.

About testng.xml

testng.xml is a file that contains the test configuration, and it allows us to organize test classes and define test suites and tests.

Please find a sample TestNG class below:

```java
package com.example.tests;

import org.testng.Assert;
import org.testng.annotations.Test;

public class TestClass {

    @Test // is an annotation to indicate this is a test method
    public void testA() {
        Assert.assertTrue(true);
```

```
        Assert.assertTrue(true);
    }

    @Test
    public void testB() {
        Assert.fail();
    }
}
```

To define this class in a *testng.xml*:

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Sample Test Suite">

    <test name="Sample Test">
        <classes>
            <class name="com.example.tests.TestClass">
            </class>
        </classes>
    </test>
</suite>
```

Not everything is mandatory. The bare minimum is having a `suite` tag with at least one `test` tag, containing at least one *packages* or a *classes* tag as shown in the above XML.

To know more, please follow the link.

That is all for the introduction. In the next lesson, you will study TestNG annotations.