# TESTNG HTML AND XML REPORTS

TestNG comes with certain predefined listeners as part of the library. These listeners are by default added to any test execution and generate different HTML and XML reports for any test execution. The report is generated by default under the folder named **testoutput** and can be changed to any other folder by configuring it. These reports consist of certain HTML and XML reports that are TestNG specific.

## Create Test Case Class

Create a java class, say, SampleTest.java in **C:\ > TestNG_WORKSPACE**.

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

public class SampleTest {
    @Test
    public void testMethodOne(){
        Assert.assertTrue(true);
    }

    @Test
    public void testMethodTwo(){
 Assert.assertTrue(false);
    }

    @Test(dependsOnMethods={"testMethodTwo"})
        public void testMethodThree(){
        Assert.assertTrue(true);
    }
}
```

The preceding test class contains three test methods out of which *testMethodOne* and *testMethodThree* will pass when executed, whereas *testMethodTwo* is made to fail by passing a *false* Boolean value to the Assert.assertTrue method, which is used for truth conditions in the tests.

## Create testng.xml

Create testng.xml in **C:\ > TestNG_WORKSPACE** to execute test case*s*.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<suite name="Simple HTML-XML Suite">

  <test name="Simple HTML-XML test">
    <classes>
      <class name="SampleTest" />
    </classes>
  </test>
</suite>
```

Compile the SampleTest class using `javac`.

```
C:\TestNG_WORKSPACE>javac SampleTest.java
```

Now, run the testng.xml.

```
C:\TestNG_WORKSPACE>java -cp "C:\TestNG_WORKSPACE" org.testng.TestNG testng.xml
```
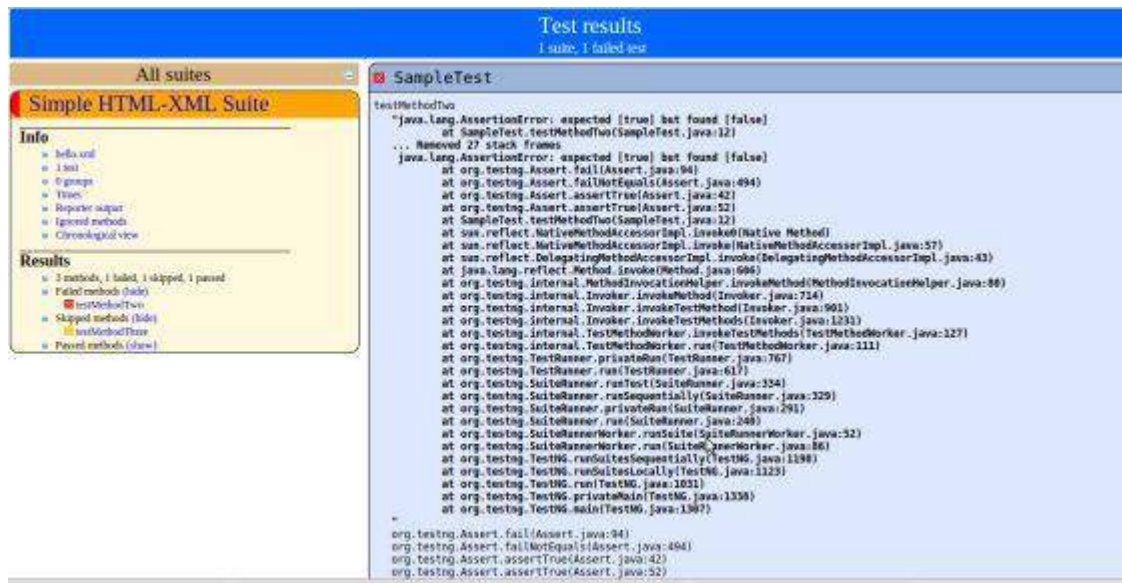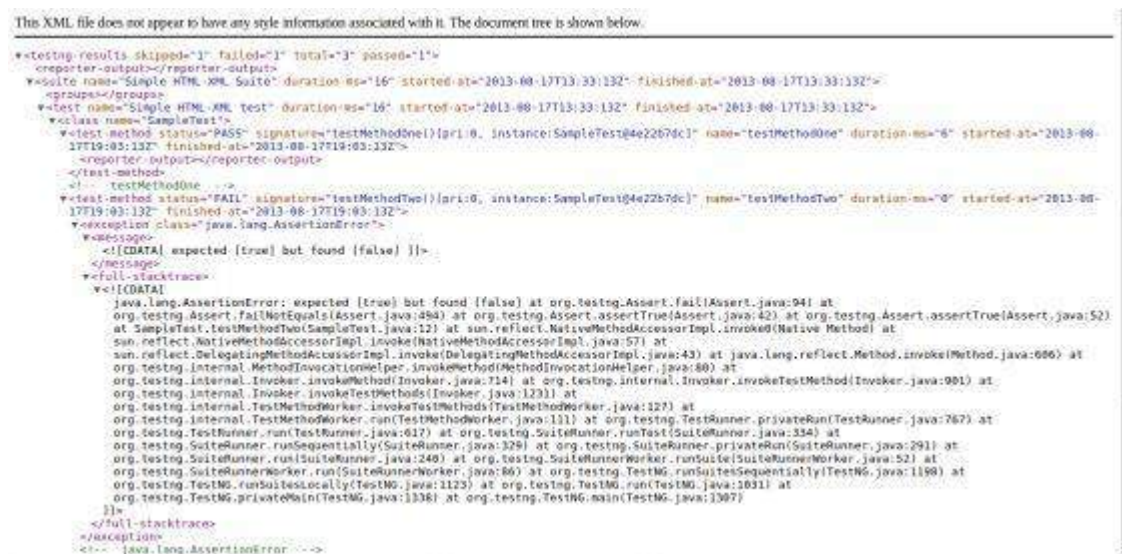
Verify the output.

```
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```

```
    Simple HTML-XML Suite
    Total tests run: 3, Failures: 1, Skips: 1
===============================================
```

Now, go to the C:\TestNG_WORKSPACE\test-output folder. Open the *index.html* on your default web browser. You will see the following HTML report:



Now, open the file *C:\TestNG_WORKSPACE\test-output\testing-results.xml* in the default XML editor on your system, and you will see the following content in the XML file:



TestNG, by default, generates multiple reports as part of its test execution. These reports mainly include TestNG HTML report, TestNG emailable report, TestNG report XML, and JUnit report XML files. These files can be found under the output report folder $in this case$, $test-output$. This default report generation can be disabled while running the tests by setting the value of the property *useDefaultListeners to false.* This property can be set while using build tools like Ant or Maven.