

Automate The Web Application Using TestNG source code



**Prepared By: D. Mahammadbasha**

# index.html

<html><head><title>ResultsforDefault suite</title></head>

<framesetcols="26%,74%">

<framesrc="toc.html"name="navFrame">

<framesrc="main.html"name="mainFrame">

</frameset>

</html>

**Emailable-report.html**

<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.1//EN"

"https://[www.w3.org/TR/xhtml11/DTD/xhtml11.dtd](http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd)">

<htmlxmlns="https://[www.w3.org/1999/xhtml](http://www.w3.org/1999/xhtml)">

<head>





<metahttp-equiv="content-type"content="text/html; charset=UTF-8"/>

<title>TestNGReport</title>

<styletype="text/css">table{margin- bottom:10px;bordercollapse:collapse;empty- cells:show}th,td{border:1pxsolid#009;padding:.25em

.5em}th{verticalalign:bottom}td{vertical- align:top}tablea{fontweight:bold}.stripetd

{background-color:#E6EBF9}.num{text- align:right}.passedoddtd{background-color: #3F3}.passedeventd{background-color:#0A0}.skippedodd td{background-color:#DDD}.skippedeventd

{backgroundcolor:#CCC}.failedoddtd,.attn{background- color:

#F33}.failedeventd,.stripe.attn{background-color: #D00}.stacktrace{white- space:pre;fontfamily:monospace}.totop{font- size:85%;textalign:center;border-bottom:2pxsolid #000}.invisible





{display:none}</style>



</head><body>

<table>

<tr><th>Test</th><th>#Passed</th><th># Skipped</th><th>#Retried</th><th>#Failed</th><th>Time (ms)</th><th>IncludedGroups</th><th>Excluded Groups</th></tr>

<tr><thcolspan="8">Defaultsuite</th></tr><tr><td><a href="#t0">Defaulttest</a></td><td class="num">3</td><td class="num">0</td><td class="num">0</td><td class="num">0</td><td class="num">14,871</td><td></td><td></td></tr>

</table><table id='summary'><thead><tr><th>Class</th><th>Method</th><th

>Start</th><th>Time(ms)</th></tr></thead><tbody><tr><th colspan="4">Defaultsuite</th></tr></tbody><tbody id="t0"><tr><thcolspan="4">Defaulttest&#8212; passed</th></tr><tr class="passedeven"><td rowspan="3">com.ecom.webapp.SoftAssertWithSimplilearnLog In</td><td><a href="#m0">launchChromeTest</a></td><td rowspan="1">1622223576846</td><td rowspan="1">10891</td></tr><trclass="passedeven"><td><a href="#m1">testSimplilearnHomePageTitle</a></td><td rowspan="1">1622223587744</td><td rowspan="1">12</td></tr><trclass="passedeven"><td><a



href="#m2">testSimplilearnLogin</a></td><td rowspan="1">1622223587757</td><td rowspan="1">3915</td></tr></tbody>









</table>

<h2>Defaulttest</h2><h3 id="m0">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#l aunchChromeTest</h3><tableclass="result"><tr><th class="invisible"/></tr></table><pclass="totop"><a href="#summary">backtosummary</a></p>

<h3 id="m1">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#t estSimplilearnHomePageTitle</h3><table class="result"><tr><th class="invisible"/></tr></table><pclass="totop"><a href="#summary">backtosummary</a></p>

<h3 id="m2">com.ecom.webapp.SoftAssertWithSimplilearnLogIn#t estSimplilearnLogin</h3><tableclass="result"><tr><th class="invisible"/></tr></table><pclass="totop"><a href="#summary">backtosummary</a></p>

</body>

</html>





# Testng-results.html

<?xml version="1.0" encoding="UTF-8"?>

<testng-resultsignored="0"total="3"passed="3" failed="0"skipped="0"> <reporter-output>

</reporter-output>

<suitestarted-at="2021-05-28T23:09:36IST" name="Defaultsuite"finished-at="2021-05-28T23:09:51 IST"duration-ms="14871">

<groups>

<groupname="ChromeOnly">

<method signature="SoftAssertWithSimplilearnLogIn.launchChromeTe st()[pri:0, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"name="launchChromeTest" class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>

<method signature="SoftAssertWithSimplilearnLogIn.testSimplilear nHomePageTitle()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"name="testSimplilearnHomePageTitle" class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>



<method signature="SoftAssertWithSimplilearnLogIn.testSimplilear nLogin()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"name="testSimplilearnLogin" class="com.ecom.webapp.SoftAssertWithSimplilearnLogIn"/>

</group><!--ChromeOnly-->

</groups>

<test started-at="2021-05-28T23:09:36 IST" name="Defaulttest"finished-at="2021-05-28T23:09:51 IST"duration-ms="14871">

<class name="com.ecom.webapp.SoftAssertWithSimplilearnLogIn">

<test-method signature="launchChromeTest()[pri:0, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"started-at="2021-05-28T23:09:36IST"

name="launchChromeTest"finished-at="2021-05-28T23:09:47 IST"duration-ms="10891"status="PASS">

<reporter-output>

</reporter-output>

</test-method><!--launchChromeTest-->

<test-method signature="testSimplilearnHomePageTitle()[pri:1,





instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"started-at="2021-05-28T23:09:47IST"

name="testSimplilearnHomePageTitle"finished-at="2021- 05-28T23:09:47IST"depends-

onmethods="com.ecom.webapp.SoftAssertWithSimplilearnLogI

n.

launchChromeTest"duration-ms="12"status="PASS">

<reporter-output>

</reporter-output>

</test-method><!--testSimplilearnHomePageTitle

-->

<test-method

signature="testSimplilearnLogin()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]"started-at="2021-05-28T23:09:47IST"

name="testSimplilearnLogin"finished-at="2021-05- 28T23:09:51IST"depends- onmethods="com.ecom.webapp.SoftAssertWithSimplilearnLogI

n.launchChromeTest"duration-ms="3915"status="PASS">

<reporter-output>

</reporter-output>

</test-method><!--testSimplilearnLogin-->

</class> <!-- com.ecom.webapp.SoftAssertWithSimplilearnLogIn-->

</test><!--Defaulttest-->



</suite><!--Defaultsuite-->

</testng-results>

# Testng-failed.html

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPEsuiteSYSTEM"https://testng.org/testng- 1.0.dtd">

<suitename="Failedsuite[Defaultsuite]" guicestage="DEVELOPMENT">

<testthread-count="5"name="Defaulttest(failed)">

<classes> <class name="com.ecom.webapp.SoftAssertWithSimplilearnLogIn">

<methods>

<includename="launchChromeTest"/>

<includename="testSimplilearnHomePageTitle"/>

</methods> </class> <!--com.ecom.webapp.SoftAssertWithSimplilearnLogIn-->

</classes>

</test><!--Defaulttest(failed)-->

</suite><!--Failedsuite[Defaultsuite]-->





# Testng-reports.js

$(document).ready(function(){

$('a.navigator-link').on("click",function(){

//Extractthepanelforthislink varpanel=getPanelName($(this));



//Markthislinkascurrentlyselected



$('.navigatorlink').parent().removeClass('navigator- selected');

$(this).parent().addClass('navigator-selected');

showPanel(panel);

}); installMethodHandlers('failed'); installMethodHandlers('skipped'); installMethodHandlers('passed',true);//hide passedmethodsbydefault

$('a.method').on("click",function(){ showMethod($(this)); returnfalse;

});

//Hideallthepanelsanddisplaythefirstone(do thislast

//tomakesuretheclick()willinvokethe listeners)

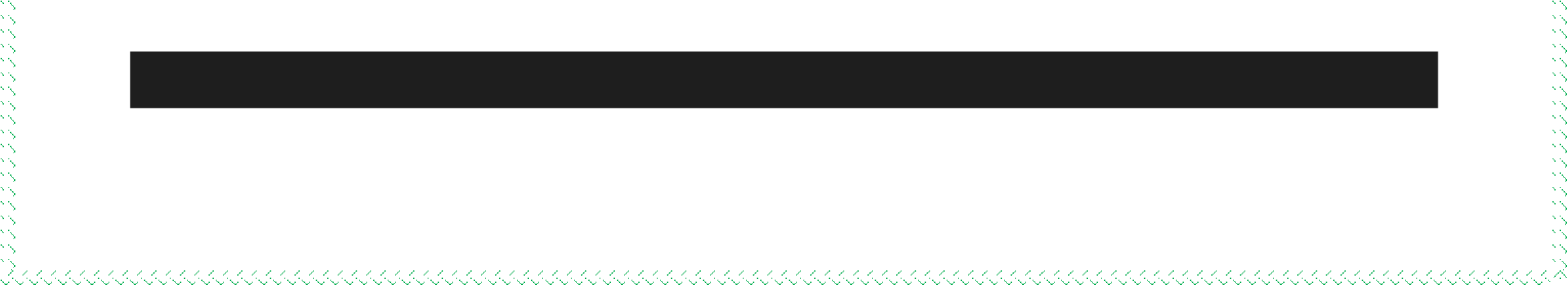
$('.panel').hide();

$('.navigator-link').first().trigger("click");

//Collapse/expandthesuites



$('a.collapse-all-link').on("click",function(){ varcontents=$('.navigator-suite-content'); if(contents.css('display')=='none'){





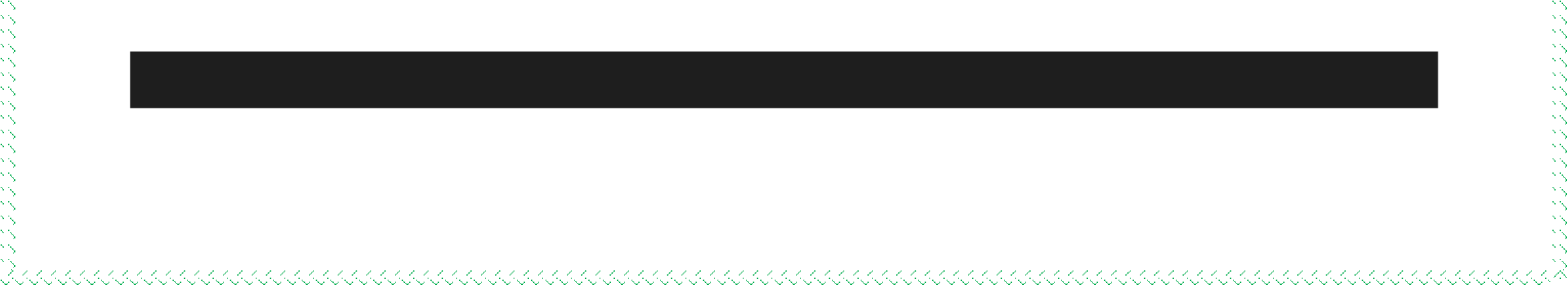
contents.show();

} else { contents.hide();

});

}

});





//Thehandlersthattakecareofshowing/hiding themethodsfunctioninstallMethodHandlers(name, hide){functiongetContent(t){return

$('.method-list-content.'+name+"."+ t.attr('panel-name'));

} function getHideLink(t, name) {vars='a.hide-methods.'+name+"."+ t.attr('panel-name');

return$(s);

} functiongetShowLink(t,name){ return$('a.show-methods.'+name+"."+ t.attr('panel-name'));

} functiongetMethodPanelClassSel(element, name){ varpanelName= getPanelName(element); varsel='.'+ panelName+"-class-"+name; return

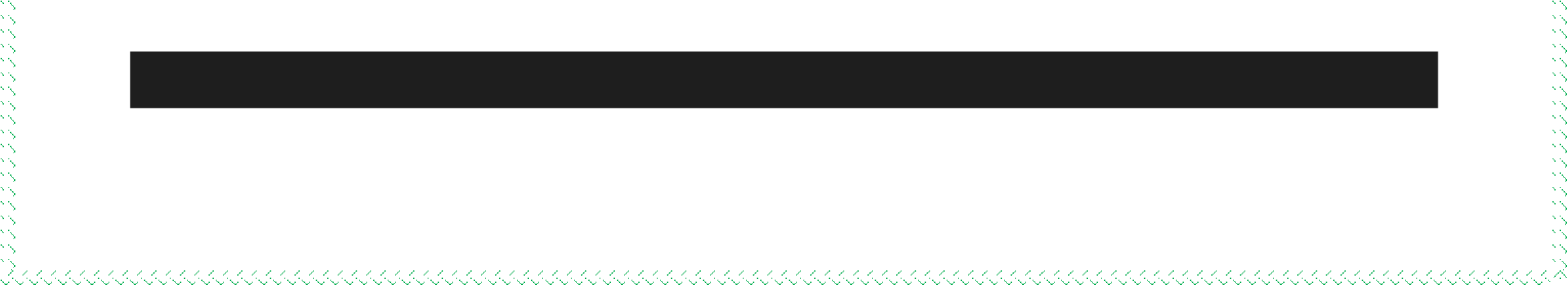
$(sel);

}



$('a.hide-methods.'+name).on("click",function(){

varw=getContent($(this));



w.hide(); getHideLink($(this), name).hide(); getShowLink($(this), name).show();

getMethodPanelClassSel($(this),name).hide();

});

$('a.show-methods.'+name).on("click",function(){ varw=getContent($(this));

w.show(); getHideLink($(this), name).show(); getShowLink($(this), name).hide(); showPanel(getPanelName($(this))); getMethodPanelClassSel($(this),name).show();

});

if (hide) {

$('a.hide-methods.'+name).trigger("click");

} else {

}

$('a.show-methods.'+name).trigger("click");

} functiongetHashForMethod(element){ returnelement.attr('hash-for-method');

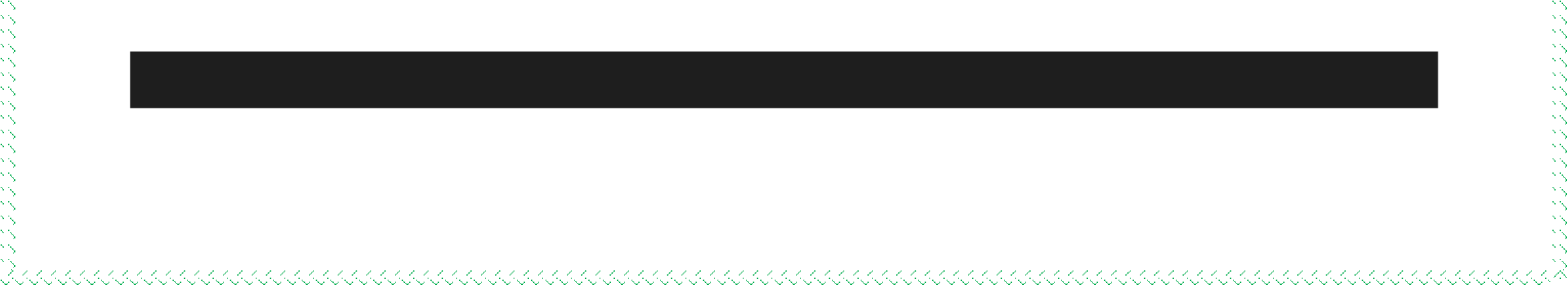


} functiongetPanelName(element){ returnelement.attr('panel-

name');



}





functionshowPanel(panelName){



$('.panel').hide(); varpanel=



$('.panel[panel-name="'+panelName+ '"]');

panel.show();

} functionshowMethod(element){ varhashTag=getHashForMethod(element); varpanelName= getPanelName(element); showPanel(panelName); varcurrent=document.location.href; varbase

=current.substring(0,current.indexOf('#')) document.location.href=base+'#'+hashTag; varnewPosition=$(document).scrollTop()-65;

$(document).scrollTop(newPosition);

}functiondrawTable(){ for(vari=0;i< suiteTableInitFunctions.length; i++) {window[suiteTableInitFunctions[i]]();

} for (var k in window.suiteTableData){ varv=

window.suiteTableData[k]; vardiv

=v.tableDiv; vardata=v.tableData



var table = new google.visualization.Table(document.getElementById(div))

;

false

table.draw(data,{

showRowNumber:

});

}

}





# Pom.xml

<?xml version="1.0" encoding="UTF-8"?>

<projectxmlns=["http://mave](http://maven.apache.org/POM/4.0.0)n[.apache.org/POM/4.0.0](http://maven.apache.org/POM/4.0.0)" xmlns:xsi=["h](http://www.w3.org/2001/XMLSchema-instance)t[tp://www.w3.org/2001/XMLSchema-instance"](http://www.w3.org/2001/XMLSchema-instance)xsi:schemaLocation=["http://](http://maven.apache.org/POM/4.0.0)m[aven.apache.org/POM/4.0.0](http://maven.apache.org/POM/4.0.0)[http://maven.apache.org/xsd/maven-4.0.0.xsd"](http://maven.apache.org/xsd/maven-4.0.0.xsd)>

<modelVersion>4.0.0</modelVersion>

<groupId>com.ecom.webapp</groupId>

<artifactId>phase-5-selenium-testng</artifactId>

<version>0.0.1-SNAPSHOT</version>

<name>phase-5-selenium-testng</name>

<!--FIXMEchangeittotheproject'swebsite-->

<url>[http://www.example.com](http://www.example.com/)</url>

<properties>

<project.build.sourceEncoding>UTF- 8</project.build.sourceEncoding>

<maven.compiler.source>1.7</maven.compiler.source>

<maven.compiler.target>1.7</maven.compiler.target>

</properties>





<dependencies>

<!--Addtestngmavendependency-->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.3.0</version>

<scope>test</scope>

</dependency>

<!--selenium-java-->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>3.141.59</version>

</dependency>

</dependencies>

</project>

# Classes.html



<tableborder='1'>

<tr>

<th>Classname</th>



<th>Methodname</th>

<th>Groups</th>

</tr><tr>

<td>com.ecom.webapp.SoftAssertWithSimplilearnLogIn</td>

<td>&nbsp;</td><td>&nbsp;</td></tr>

<tr>

<tdalign='center'colspan='3'>@Test</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>launchChromeTest</td>

<td>ChromeOnly</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>testSimplilearnLogin</td>

<td>ChromeOnly</td>

</tr>

<tr>

<td>&nbsp;</td>

<td>testSimplilearnHomePageTitle</td>

<td>ChromeOnly</td>

</tr>

<tr>



<tdalign='center'colspan='3'>@BeforeClass</td>

</tr>

<tr>

<tdalign='center'colspan='3'>@BeforeMethod</td>

</tr>

<tr>

<tdalign='center'colspan='3'>@AfterMethod</td>

</tr>

<tr>

<tdalign='center'colspan='3'>@AfterClass</td>

</tr>

</table>

# Methods-alphabetical.html

|  |
| --- |
| <h2>Methodsrun,sortedchronologically</h2><h3>&gt;&gt;  meansbefore,&lt;&lt;means |
| after</h3><p/><br/><em>Default |
| suite</em><p/><small><i>(Hoverthemethodnametosee thetestclassname)</i></small><p/>  <tableborder="1">  <tr><th>Time</th><th>Delta |





(ms)</th><th>Suite<br>configuration</th><th>Test<br>conf iguration</th><th>Class<br>configuration</th><th>Groups< br>configuration</th><th>Method<br>configuration</th><th

>Test<br>method</th><th>Thread</th><th>Instances</th></t r>

<trbgcolor="88d8b8"> <td>21/05/2823:09:36</td>

<td>0</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.launchChromeTest() [pri:0, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">launchChromeTest</td>

<td>main@1158258131</td> <td></td></tr>

<trbgcolor="88d8b8"> <td>21/05/2823:09:47</td>

<td>10899</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.testSimplilearnHom ePageTitle()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">testSimplilearnHomePageTitle</td>

<td>main@1158258131</td> <td></td></tr>

<trbgcolor="88d8b8"> <td>21/05/2823:09:47</td>





<td>10912</td>

<td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;</td><td>&nbsp;<

/td><td>&nbsp;</td><td title="SoftAssertWithSimplilearnLogIn.testSimplilearnLog in()[pri:1, instance:com.ecom.webapp.SoftAssertWithSimplilearnLogIn@ 6d3a388c]">testSimplilearnLogin</td>

<td>main@1158258131</td> <td></td></tr>

</table>

# Toc.html

<html>

<head>

<title>ResultsforDefaultsuite</title><link href="../testng.css"rel="stylesheet" type="text/css"/>

<linkhref="../my-testng.css"rel="stylesheet" type="text/css"/>

</head>

<body>

<h3><palign="center">Resultsfor<br/><em>Default suite</em></p></h3>

<table border='1' width='100%'>





<trvalign='top'>



<td>1test</td>

<td><atarget='mainFrame'href='classes.html'>1 class</a></td>

<td>3methods:<br/> &nbsp;&nbsp;<atarget='mainFrame'

href='methods.html'>chronological</a><br/> &nbsp;&nbsp;<atarget='mainFrame' href='methodsalphabetical.html'>alphabetical</a><br/> &nbsp;&nbsp;<atarget='mainFrame'href='methods- notrun.html'>notrun(0)</a></td>

</tr>

<td><atarget='mainFrame'href='groups.html'>1 group</a></td>

<td><a target='mainFrame' href='reporteroutput.html'>reporteroutput</a></td>

<td><a target='mainFrame' href='testng.xml.html'>testng.xml</a></td>

</tr></table>

<tablewidth='100%'class='test-passed'>

<tr><td>

<tablestyle='width:100%'><tr><tdvalign='top'>Default test(3/0/0)</td><tdvalign='top'align='right'>



<ahref='Defaulttest.html' target='mainFrame'>Results</a>



</td></tr></table>

</td></tr><p/></table>

</body></html>







# AssertionsTest.java





packagecom.ecom.webapp; import static org.testng.Assert.assertEquals;



importorg.testng.annotations.Test; import org.testng.asserts.SoftAssert; publicclassAssertionsTest

{

//HardAssert:HardassertthrowsanAssertException

immediatelywhenanassertstatementfailsand

//testsuitecontinueswithnext@Test

@Test

publicvoidhardAssert(){

System.out.println("--HardAssertMethodwas started... --");

assertEquals(true,false);//AssertionError System.out.println("--HardAssertIsCompleted.

");

}

//SoftAssert::Softassertcollectserrorsduring @Test.



//Softassertdoesnotthrowanexceptionwhenan assertfails.



@Test

publicvoidsoftAssert(){

SoftAssertsoftAssert=newSoftAssert();



System.out.println("--SoftAssertMethodwas

packagecom.ecom.webapp; import org.testng.annotations.Test;



importorg.testng.annotations.BeforeMethod; import static org.testng.Assert.assertEquals;

importorg.openqa.selenium.WebDriver;import org.openqa.selenium.chrome.ChromeDriver; importorg.openqa.selenium.edge.EdgeDriver; importorg.testng.annotations.AfterMethod;

//Let'sdosomeTestCasesEvaluatedinChrome browserandsomeinMicrosoftEdgeBrowser publicclassTestNgGroupTest{

final StringamazonURL= "https://[www.amazon.in/](http://www.amazon.in/)"; final StringsimplilearnURL= "https://[www.simplilearn.com/"](http://www.simplilearn.com/);



started--"); softAssert.assertEquals(true,false); softAssert.assertTrue(false);

System.out.println("--SoftAssertMethodWas Completed--");

}

}

# TestNGGroupTest.java





finalStringchromeDriverPath

="driver\\chromedriver.exe";





finalStringmirosoftedgeDriverPath



="driver\\msedgedriver.exe";

WebDriverdriver1; WebDriverdriver2;

//Chromebrowsertest->GroupChromeTest @Test(groups="ChromeOnly")

publicvoidlaunchChromeTest(){

System.setProperty("webdriver.chrome.driver",chromeDrive rPath); driver1=newChromeDriver(); driver1.get(amazonURL);

}

@Test(groups="ChromeOnly", dependsOnMethods="launchChromeTest",priority=1) publicvoidtestAmazonHomePage(){

Stringexpected="OnlineShoppingsiteinIndia: ShopOnlineforMobiles,Books,Watches,ShoesandMore

-Amazon.in"; assertEquals(expected,driver1.getTitle());

}











@Test(groups="ChromeOnly", dependsOnMethods="launchChromeTest",priority=2)





publicvoidtestAmazonSourceURL(){ assertEquals(amazonURL,driver1.getCurrentUrl()); driver1.close();



}

//MicrosoftEdgeTest->GroupMicrosoftEdgeTest @Test(groups="MicrosoftEdgeOnly")

publicvoidlaunchMicrosoftEdgeTest(){

System.setProperty("webdriver.edge.driver",mirosoftedgeD riverPath); driver2=newEdgeDriver(); driver2.get(simplilearnURL);

}

@Test(groups="MicrosoftEdgeOnly",dependsOnMethods="launc hMicrosoftEdgeTest",priority=1)

publicvoidtestSimplilearnHomePageTitle(){ Stringexpected="World's#1OnlineBootcamp&

CertificationCourseProvider|Simplilearn"; assertEquals(expected,driver2.getTitle());

}



@Test(groups="MicrosoftEdgeOnly", dependsOnMethods="launchMicrosoftEdgeTest",priority=2) publicvoidtestSimplilearnSourceURL(){



assertEquals(simplilearnURL,driver2.getCurrentUrl());



driver2.close();

}

}





# TestNGStandardAnnotations.java

packagecom.ecom.webapp;

importorg.testng.annotations.AfterClass; importorg.testng.annotations.AfterMethod; importorg.testng.annotations.AfterSuite; importorg.testng.annotations.BeforeClass; import org.testng.annotations.BeforeMethod; importorg.testng.annotations.BeforeSuite; importorg.testng.annotations.Test;

publicclassTestNgStandardAnnotationsTest

{

@BeforeSuite publicvoidbeforeSuite(){

System.out.println("---BeforeSuiteIs Executed---");

}

@AfterSuite

publicvoidafterSuite(){

System.out.println("---AfterSuiteIsExecuted

---");





}





@BeforeClass publicvoid beforeClass(){



System.out.println("---BeforeClassIsExecuted

---");

}

@AfterClass publicvoid afterClass(){

System.out.println("---AfterClassIsExecuted

---");

}

@BeforeMethod

publicvoidsetUpBeForEachTest(){ System.out.println("---BeforeMethodIs

Executed---");

}

@AfterMethod

publicvoidtearDownAfterEachTest(){ System.out.println("---AfterMethodIsExecuted

---");



}



@Test



publicvoidtestOne(){

System.out.println("--Test1methodisexecuted

! --");

}

@Test

publicvoidtestTwo(){

System.out.println("--Test2methodisexecuted

! --");

}

@Test

publicvoidtestThree(){

System.out.println("--Test3methodisexecuted

! --");

}

}

## \*\*\*\*\*\*THE END\*\*\*\*\*\*





**X**==========================**X**============================**X**

