**CROSS BROWSER CODE**

**package** obj1;

**import** java.util.concurrent.TimeUnit;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.ie.InternetExplorerDriver;

**import** org.testng.Assert;

**import** org.testng.annotations.AfterClass;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Optional;

**import** org.testng.annotations.Parameters;

**import** org.testng.annotations.Test;

**public** **class** crossbrowser

{

WebDriver driver;

@BeforeTest

@Parameters("browser")

**public** **void** setup(String browser) **throws** Exception

{

**if**(browser.equalsIgnoreCase("chrome"))

{

System.*setProperty*("webdriver.chrome.driver","D://chromedriver.exe");

driver= **new** ChromeDriver();

driver.get("http://www.google.com");

}

**else** **if**(browser.equalsIgnoreCase("ie"))

{

System.*setProperty*("webdriver.ie.driver","D://IEDriverServer.exe");

driver= **new** InternetExplorerDriver();

driver.get("http://www.Google.com/");

}

**else**

{

//If no browser passed throw exception

**throw** **new** Exception("Browser is not correct");

}

driver.manage().timeouts().implicitlyWait(10, TimeUnit.***SECONDS***);

}

@Test

@Parameters({"author","searchKey"})

**public** **void** testParameterWithXML( @Optional("Abc") String author,String searchKey) **throws** InterruptedException

{

WebElement searchText = driver.findElement(By.*name*("q"));

searchText.sendKeys(searchKey);

System.***out***.println("Welcome ->"+author+" Your search key is->"+searchKey);

Thread.*sleep*(3000);

System.***out***.println("Value Google in Search Box = "+searchText.getAttribute("value") +" ::: Value given by input = "+searchKey);

Assert.*assertTrue*(searchText.getAttribute("value").equalsIgnoreCase(searchKey));

}

@AfterClass//called after every method

**public** **void** afterClass() {

driver.quit();

}

}

**XML file**

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

<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">

<suite name="crossb Suite" thread-count="2" parallel="tests" >

<test name="ChromeTest">

<parameter name="browser" value="Chrome" />

<parameter name="author" value="Mr. Green" />

<parameter name="searchKey" value=" Tea " />

<classes>

<class name="obj1.crossbrowser">

</class>

</classes>

</test>

<test name="IETest">

<parameter name="browser" value="ie" />

<parameter name="author" value="Mr.Brown" />

<parameter name="searchKey" value=" coffee " />

<classes>

<class name="obj1.crossbrowser">

</class>

</classes>

</test>

</suite>

**CONSOLE OUTPUT**

Welcome ->Mr. Green Your search key is-> Tea

Welcome ->Mr.Brown Your search key is-> coffee

Value Google in Search Box = Tea ::: Value given by input = Tea

Value Google in Search Box = coffee ::: Value given by input = coffee

**REPORT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Test** | **# Passed** | **# Skipped** | **# Failed** | **Time (ms)** | **Included Groups** | **Excluded Groups** |
| **crossb Suite** | | | | | | |
| [**ChromeTest**](file:///D:\workspace\basic\test-output\emailable-report.html#t0) | 1 | 0 | 0 | 9,953 |  |  |
| [**IETest**](file:///D:\workspace\basic\test-output\emailable-report.html#t1) | 1 | 0 | 0 | 9,953 |  |  |
| **Total** | **2** | **0** | **0** | **19,906** |  | |

| **Class** | **Method** | **Start** | **Time (ms)** |
| --- | --- | --- | --- |
| **crossb Suite** | | | |
| **ChromeTest — passed** | | | |
| obj1.crossbrowser | [**testParameterWithXML**](file:///D:\workspace\basic\test-output\emailable-report.html#m0) | 1498805467062 | 3375 |
| **IETest — passed** | | | |
| obj1.crossbrowser | [**testParameterWithXML**](file:///D:\workspace\basic\test-output\emailable-report.html#m1) | 1498805467281 | 3937 |

**ChromeTest**

**obj1.crossbrowser#testParameterWithXML**

|  |  |
| --- | --- |
| **Parameter #1** | **Parameter #2** |
| Mr. Green | Tea |

**IETest**

**obj1.crossbrowser#testParameterWithXML**

|  |  |
| --- | --- |
| **Parameter #1** | **Parameter #2** |
| Mr.Brown | coffee |

**ASSERTION CODE**

**package** obj1;

**import** org.testng.Assert;

**import** org.testng.annotations.Test;

**import** java.util.concurrent.TimeUnit;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.chrome.ChromeDriver;

**public** **class** assertion {

**public** **static** **void** main(String[] args)

{

String Title;

//initialize Chrome driver

System.*setProperty*("webdriver.chrome.driver","D:\\chromedriver.exe");

WebDriver driver = **new** ChromeDriver();

driver.get("http://www.techfetch.com");

Title = driver.getTitle();

System.***out***.println("ActualTitle is " + Title );

//driver.navigate().to("http://www.techfetch.com/");

Assert.*assertEquals*(Title, driver.getTitle());

System.***out***.println("Successfully passed!");

driver.navigate().to("http://www.google.com");

driver.manage().timeouts().implicitlyWait(5, TimeUnit.***SECONDS***);

}}