Ex: create TestNg class using Assert class to compare string values

--------------------------------------------------------------------

package testng.pack;

import org.testng.Assert;

import org.testng.annotations.Test;

public class AssertEx {

@Test (priority= 1)

public void userReg() {

Assert.assertEquals("Smith", "Smith123");

System.out.println("To validate customer Registration");

}

@Test (priority= 2)

public void userLogin() {

System.out.println("To validate login functionality");

}

}

-------------------------------------------------

Ex: Create TestNg Class tovalidate login functionality in OrangeHRM

project using valid data

------------------------------------------------------------------

package testng.pack;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.Assert;

import org.testng.Reporter;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class OHRMLogin {

WebDriver driver;

@BeforeClass

public void setUp() {

System.setProperty("webdriver.chrome.driver", "./Drivers\\chromedriver.exe");

driver=new ChromeDriver();

driver.get("https://opensource-demo.orangehrmlive.com/");

driver.manage().window().maximize();

}

@Test

public void adminLogin() throws InterruptedException {

WebElement objUserName = driver.findElement(By.id("txtUsername"));

if (objUserName.isDisplayed()) {

Reporter.log("Username element found in Application and Script executing ....",true);

//to perform login operation

driver.findElement(By.id("txtUsername")).sendKeys("Admin");

driver.findElement(By.id("txtPassword")).sendKeys("admin123");

driver.findElement(By.id("btnLogin")).click();

Thread.sleep(5000);

String pgTitle=driver.getTitle();

Assert.assertEquals(pgTitle, "OrangeHRM");

Reporter.log("Successful login operation");

}

else {

Reporter.log("Username Element not found");

}

}

@AfterClass

public void tearDown() {

driver.close();

}

}

----------------------------------------------------------------------

Ex: create TestNg class using dependsOnMethods option

package testng.pack;

import org.testng.Assert;

import org.testng.annotations.Test;

public class AssertEx {

@Test (priority= 1)

public void userReg() {

Assert.assertEquals("Smith", "Smith123");

System.out.println("To validate customer Registration");

}

@Test (priority= 2, dependsOnMethods= {"userReg"})

public void userLogin() {

System.out.println("To validate login functionality");

}

}

----------------------------------------------------------------------

Ex: create TestNG class and use "enabled" option to disable 2nd test case

package testng.pack;

import org.testng.Assert;

import org.testng.annotations.Test;

public class AssertEx {

@Test (priority= 1)

public void userReg() {

Assert.assertEquals("Smith", "Smith");

System.out.println("To validate customer Registration");

}

@Test (priority= 2, enabled= false)

public void userLogin() {

System.out.println("To validate login functionality");

}

}

------------------------------------------------------------------

Ex: Create TestNg Xml file to execute tests from different classes from different packages

Procedure:

Step 1: Create new package with name as “sampleone”

Step 2: create 2 classes in “sampleone” package with 2 @Test annotation methods

Class-1:

package sampleone;

importorg.testng.annotations.Test;

publicclass Class01 {

@Test

publicvoid methodOne(){

System.out.println("Method-1 from Class01");

}

@Test

publicvoid methodTwo(){

System.out.println("Method-2 from Class01");

}

}

Class-2:

package sampleone;

import org.testng.annotations.Test;

publicclass Class02 {

@Test

publicvoid methodOne(){

System.out.println("Method-1 from Class02");

}

@Test

publicvoid methodTwo(){

System.out.println("Method-2 from Class02");

}

}

Step 3: Create new package with name as “sampletwo”

Step 4: Create class in “sampletwo” package with 2 @Test annotation methods

Class03:

package sampletwo;

import org.testng.annotations.Test;

publicclass Class03 {

@Test

publicvoid methodOne(){

System.out.println("Method-1 from Class03");

}

@Test

publicvoid methodTwo(){

System.out.println("Method-2 from Class03");

}

}

Step 5: create TestNg xml file to execute all the methods from different classes (i.e. Class01, Class02 and Class03 classes)

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++

TestNg xml file

<suitename="my Demo testNg suite">

<testname="Sample tests">

<classes>

<classname="sampleone.Class01"/>

<classname="sampleone.Class02"/>

<classname="sampletwo.Class03"/>

</classes>

</test>

</suite>

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

Create TestNg xml file to execute some of the methods only

TestNg xml file code

<suitename="my Demo testNg suite">

<testname="Sample tests">

<classes>

<classname="sampleone.Class01"/>

<methods>

<includename="methodOne"/>

<excludename="methodTwo"/>

</methods>

<classname="sampleone.Class02"/>

<classname="sampletwo.Class03"/>

</classes>

</test>

</suite>

=======================================================================

EX01:

Create TestNg class to validate login functionality in Orange HRM application

by reading the data from Testng xml file

SAXParseException -- <classes> in testing.xml file

java.lang.NoClassDefFoundError: