**727721EUIT020\_D10\_CE:-**

**TASK-01 AND 02:-**

**CODE:-**

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

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

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

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

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

**import** org.testng.AssertJUnit;

**import** org.testng.ITestResult;

**import** org.testng.SkipException;

**import** org.testng.annotations.AfterMethod;

**import** org.testng.annotations.AfterSuite;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeClass;

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

**import** com.aventstack.extentreports.ExtentReports;

**import** com.aventstack.extentreports.ExtentTest;

**import** com.aventstack.extentreports.Status;

**import** com.aventstack.extentreports.reporter.ExtentHtmlReporter;

**import** com.aventstack.extentreports.reporter.configuration.ChartLocation;

**import** com.aventstack.extentreports.reporter.configuration.Theme;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Test1 {

**static** ExtentTest *test*;

**static** ExtentReports *extent*;

ExtentHtmlReporter htmlReporter;

@BeforeClass

**public** **void** startReport() {

//ExtentSparkReporter htmlReporter = new ExtentSparkReporter("extentReport.html");

//htmlReporter = new ExtentHtmlReporter(System.getProperty("user.dir")+"/test-output/extentReport.html");

htmlReporter = **new** ExtentHtmlReporter("D:\\d10ce1and2.html");

*extent* = **new** ExtentReports();

*extent*.attachReporter(htmlReporter);

//configuration items to change the look and feel

//add content, manage tests etc

htmlReporter.config().setChartVisibilityOnOpen(**true**);

htmlReporter.config().setDocumentTitle("Simple Automation Report");

htmlReporter.config().setReportName("Test Report");

htmlReporter.config().setTestViewChartLocation(ChartLocation.***TOP***);

htmlReporter.config().setTheme(Theme.***STANDARD***);

// htmlReporter.config().setTimeStampFormat("EEEE, MMMM dd, yyyy, hh:mm a '('zzz')'");

}

@Test

**public** **void** f() {

WebDriverManager.*chromedriver*().setup();

WebDriver driver;

ChromeOptions co = **new** ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

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

driver.get("https://www.godaddy.com/en-in");

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

String actualTitle="Domain Names, Websites, Hosting & Online Marketing Tools - GoDaddy IN";

String extractedTitle=driver.getTitle();

AssertJUnit.*assertEquals*(actualTitle, extractedTitle);

String actualURL="https://www.godaddy.com/en-in";

String extractedURL=driver.getCurrentUrl();

AssertJUnit.*assertEquals*(actualURL, extractedURL);

System.***out***.println("Smoke test");

driver.quit();

*test* = *extent*.createTest("Test Case 1", "The test case 1 has passed");

}

@Test

**public** **void** f1() **throws** Exception {

WebDriverManager.*chromedriver*().setup();

WebDriver driver;

ChromeOptions co = **new** ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

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

driver.get("https://www.godaddy.com/en-in");

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

// driver.navigate().refresh();

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

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

Thread.*sleep*(6000);

driver.findElement(By.*cssSelector*(".fvfew97:nth-child(1) > .fsp77ll")).click();

Thread.*sleep*(3000);

driver.findElement(By.*linkText*("Domain Name Search")).click();

System.***out***.println(driver.getTitle());

System.***out***.println("Regressiontest");

*test* = *extent*.createTest("Test Case 2", "The test case 2 has passed");

//driver.quit();

}

@AfterMethod

**public** **void** getResult(ITestResult result) {

**if**(result.getStatus() == ITestResult.***FAILURE***) {

*test*.log(Status.***FAIL***,result.getThrowable());

}

**else** **if**(result.getStatus() == ITestResult.***SUCCESS***) {

*test*.log(Status.***PASS***, result.getTestName());

}

**else** {

*test*.log(Status.***SKIP***, result.getTestName());

}

}

@AfterTest

**public** **void** tearDown() {

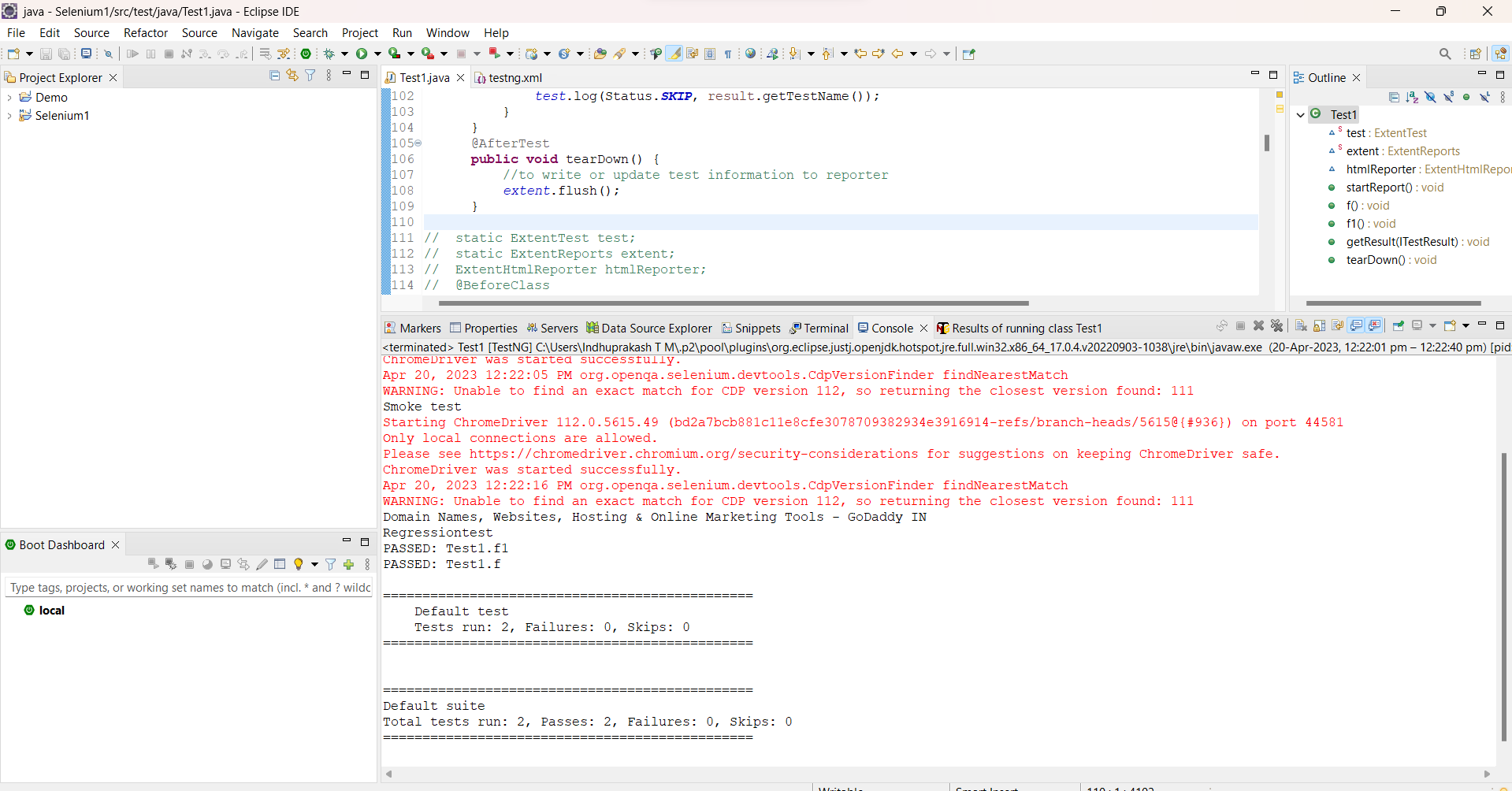
//to write or update test information to reporter

*extent*.flush();

}

}

**OUTPUT:-**

****

**TASK-03 AND 04:-**

**CODE:-**

**package** com.selenium.test2.test2;

**import** java.awt.AWTException;

**import** java.io.IOException;

**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.chrome.ChromeOptions;

**import** org.openqa.selenium.edge.EdgeDriver;

**import** org.testng.ITestResult;

**import** org.testng.annotations.AfterMethod;

**import** org.testng.annotations.AfterSuite;

**import** org.testng.annotations.BeforeMethod;

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

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

**import** com.aventstack.extentreports.ExtentReports;

**import** com.aventstack.extentreports.ExtentTest;

**import** com.aventstack.extentreports.Status;

**import** com.aventstack.extentreports.reporter.ExtentHtmlReporter;

**import** com.aventstack.extentreports.reporter.configuration.ChartLocation;

**import** com.aventstack.extentreports.reporter.configuration.Theme;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** D10C4 {

WebDriver driver;

**static** ExtentTest *test*;

**static** ExtentReports *extent*;

ExtentHtmlReporter htmlReporter;

@Test

**public** **void** f() **throws** Exception {

Thread.*sleep*(3000);

WebElement uname=driver.findElement(By.*name*("username"));

WebElement pwd=driver.findElement(By.*name*("password"));

WebElement submit=driver.findElement(By.*xpath*("//\*[@class='oxd-button oxd-button--medium oxd-button--main orangehrm-login-button']"));

uname.sendKeys("Admin");

pwd.sendKeys("admin123");

submit.click();

*test* = *extent*.createTest("Test Case 1", "The test case 1 has passed");

}

@Parameters("browser")

@BeforeMethod()

**public** **void** beforeMethod(String browser1) {

htmlReporter = **new** ExtentHtmlReporter("D://D10report5.html");

*extent* = **new** ExtentReports();

*extent*.attachReporter(htmlReporter);

//configuration items to change the look and feel

//add content, manage tests etc

htmlReporter.config().setChartVisibilityOnOpen(**true**);

htmlReporter.config().setDocumentTitle("Simple Automation Report");

htmlReporter.config().setReportName("Test Report");

htmlReporter.config().setTestViewChartLocation(ChartLocation.***TOP***);

htmlReporter.config().setTheme(Theme.***STANDARD***);

**if**(browser1.equals("chrome"))

{

WebDriverManager.*chromedriver*().setup();

ChromeOptions co = **new** ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

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

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

String url="https://opensource-demo.orangehrmlive.com/web/index.php/auth/login";

driver.get(url);

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

}

**else** **if**(browser1.equals("edge"))

{

WebDriverManager.*edgedriver*().setup();

//FirefoxOptions co = new FirefoxOptions();

//co.addArguments("--remote-allow-origins=\*");

driver=**new** EdgeDriver();

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

String url="https://opensource-demo.orangehrmlive.com/web/index.php/auth/login";

driver.get(url);

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

}

}

@AfterMethod

**public** **void** getResult(ITestResult result) **throws** AWTException, IOException {

**if**(result.getStatus() == ITestResult.***FAILURE***) {

*test*.log(Status.***FAIL***, result.getTestName());

}

**else** **if**(result.getStatus() == ITestResult.***SUCCESS***) {

*test*.log(Status.***PASS***, result.getTestName());

}

**else** {

*test*.log(Status.***SKIP***, result.getTestName());

}

}

@AfterSuite

**public** **void** afterMethod() {

*extent*.flush();

//driver.close();

}

}

**TESTNG.XML:-**

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

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

<suite parallel="false" name="Suite">

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

<test thread-count="5" name="Test">

<classes>

<class name="com.selenium.test1.Selenium1.AppTest"/>

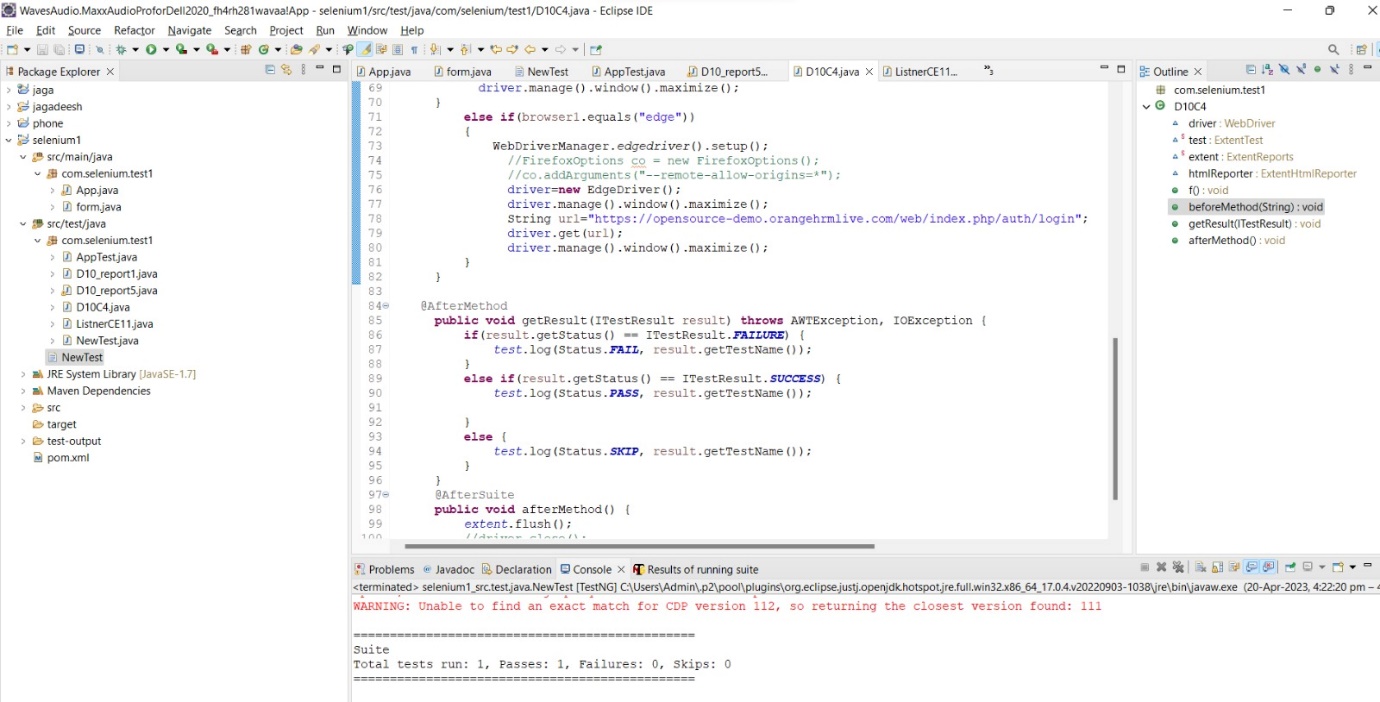
<class name=".Test1"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**OUTPUT:-**

****

**TASK-05:**

**CODE:-**

**import** java.awt.AWTException;

**import** java.awt.Dimension;

**import** java.awt.Rectangle;

**import** java.awt.Robot;

**import** java.awt.Toolkit;

**import** java.awt.image.BufferedImage;

**import** java.io.File;

**import** java.io.IOException;

**import** javax.imageio.ImageIO;

**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.chrome.ChromeOptions;

**import** org.testng.ITestResult;

**import** org.testng.annotations.AfterMethod;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeSuite;

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

**import** com.aventstack.extentreports.ExtentReports;

**import** com.aventstack.extentreports.ExtentTest;

**import** com.aventstack.extentreports.Status;

**import** com.aventstack.extentreports.reporter.ExtentHtmlReporter;

**import** com.aventstack.extentreports.reporter.configuration.ChartLocation;

**import** com.aventstack.extentreports.reporter.configuration.Theme;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Test1 {

WebDriver driver;

**static** ExtentTest *test*;

**static** ExtentReports *extent*;

ExtentHtmlReporter htmlReporter;

String sstloc="D://CE4.png";

@BeforeSuite

**void** init()

{

WebDriverManager.*chromedriver*().setup();

ChromeOptions co = **new** ChromeOptions();

co.addArguments("--remote-allow-origins=\*");

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

htmlReporter = **new** ExtentHtmlReporter("D://D10report5.html");

*extent* = **new** ExtentReports();

*extent*.attachReporter(htmlReporter);

//configuration items to change the look and feel

//add content, manage tests etc

htmlReporter.config().setChartVisibilityOnOpen(**true**);

htmlReporter.config().setDocumentTitle("Simple Automation Report");

htmlReporter.config().setReportName("Test Report");

htmlReporter.config().setTestViewChartLocation(ChartLocation.***TOP***);

htmlReporter.config().setTheme(Theme.***STANDARD***);

}

@Test

**void** Test1() **throws** InterruptedException

{ *test* = *extent*.createTest("Test Case 1", "The test case 1 has passed");

String url="https://opensource-demo.orangehrmlive.com/web/index.php/auth/login";

driver.get(url);

Thread.*sleep*(3000);

WebElement uname=driver.findElement(By.*name*("username"));

WebElement pwd=driver.findElement(By.*name*("password"));

WebElement submit=driver.findElement(By.*xpath*("//\*[@class='oxd-button oxd-button--medium oxd-button--main orangehrm-login-button']"));

uname.sendKeys("Suvitha");

pwd.sendKeys("12345");

submit.click();

String url1="https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index";

}

@Test()

**void** Test2() **throws** InterruptedException

{ //WebElement logout=driver.findElement(By.linkText("Logout"));

//logout.click();

driver.close();

}

@AfterMethod

**public** **void** getResult(ITestResult result) **throws** AWTException, IOException {

**if**(result.getStatus() == ITestResult.***FAILURE***) {

screencapture(sstloc);

*test*.log(Status.***FAIL***,result.getThrowable());

*test*.addScreenCaptureFromPath(sstloc);

}

**else** **if**(result.getStatus() == ITestResult.***SUCCESS***) {

*test*.log(Status.***PASS***, result.getTestName());

}

**else** {

*test*.log(Status.***SKIP***, result.getTestName());

}

}

@AfterTest

**public** **void** tearDown() {

//to write or update test information to reporter

*extent*.flush();

}

**void** screencapture(String sstloc1) **throws** AWTException, IOException

{

Robot robot=**new** Robot();

Dimension scr\_size=Toolkit.*getDefaultToolkit*().getScreenSize();

Rectangle rect=**new** Rectangle(scr\_size);

BufferedImage scrshot=robot.createScreenCapture(rect);

File dest=**new** File(sstloc1);

ImageIO.*write*(scrshot,"png",dest);

}

}

**LISTNER.JAVA:-**

package com.selenium.test1.Selenium1;

import org.testng.ITestContext;

import org.testng.ITestListener;

import org.testng.ITestResult;

public class Listner implements ITestListener {

public void onTestStart(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test Start"+result.getName());

}

public void onTestSuccess(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test Success"+result.getName());

}

public void onTestFailure(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test Failure"+result.getName());

}

public void onTestSkipped(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test Skipped"+result.getName());

}

public void onTestFailedButWithinSuccessPercentage(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test FailedButWithinSuccessPercentage"+result.getName());

}

public void onTestFailedWithTimeout(ITestResult result) {

// TODO Auto-generated method stub

System.out.println("on Test FailedWithTimeout"+result.getName());

}

public void onStart(ITestContext context) {

// TODO Auto-generated method stub

System.out.println("on Start"+context.getName());

}

public void onFinish(ITestContext context) {

// TODO Auto-generated method stub

System.out.println("on Finish"+context.getName());

}

**TESTNG.XML:-**

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

<suite parallel="false" name="Suite">

<test name="Test">

<listeners>

<listener class-name="com.selenium.test1.ListnerCE11">

</listener>

</listeners>

<classes>

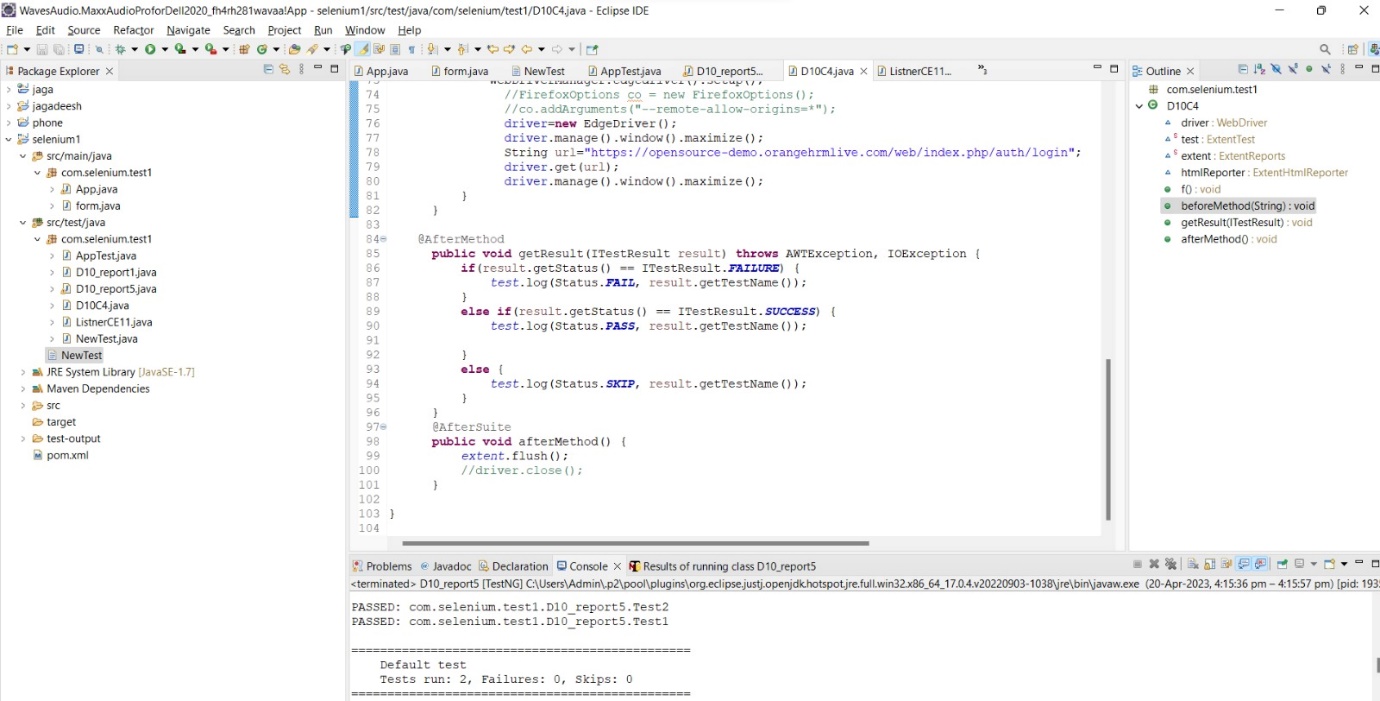
<class name="com.selenium.test1.D10\_report5"/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

**OUTPUT:-**

****