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**IT-A**

**Task 1**

package com.selenium.test1.selenium1;

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.Assert;

import org.testng.ITestResult;

import org.testng.annotations.AfterMethod;

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 task\_10\_1 {

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:\\Cartoon\\cartoon.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();

Assert.assertEquals(actualTitle, extractedTitle);

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

String extractedURL=driver.getCurrentUrl();

Assert.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(3000);

driver.findElement(By.xpath("//\*[@id=\"id-e6aaf13d-272e-44df-903a-e07e539d57c7\"]/span[1]")).click();

//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

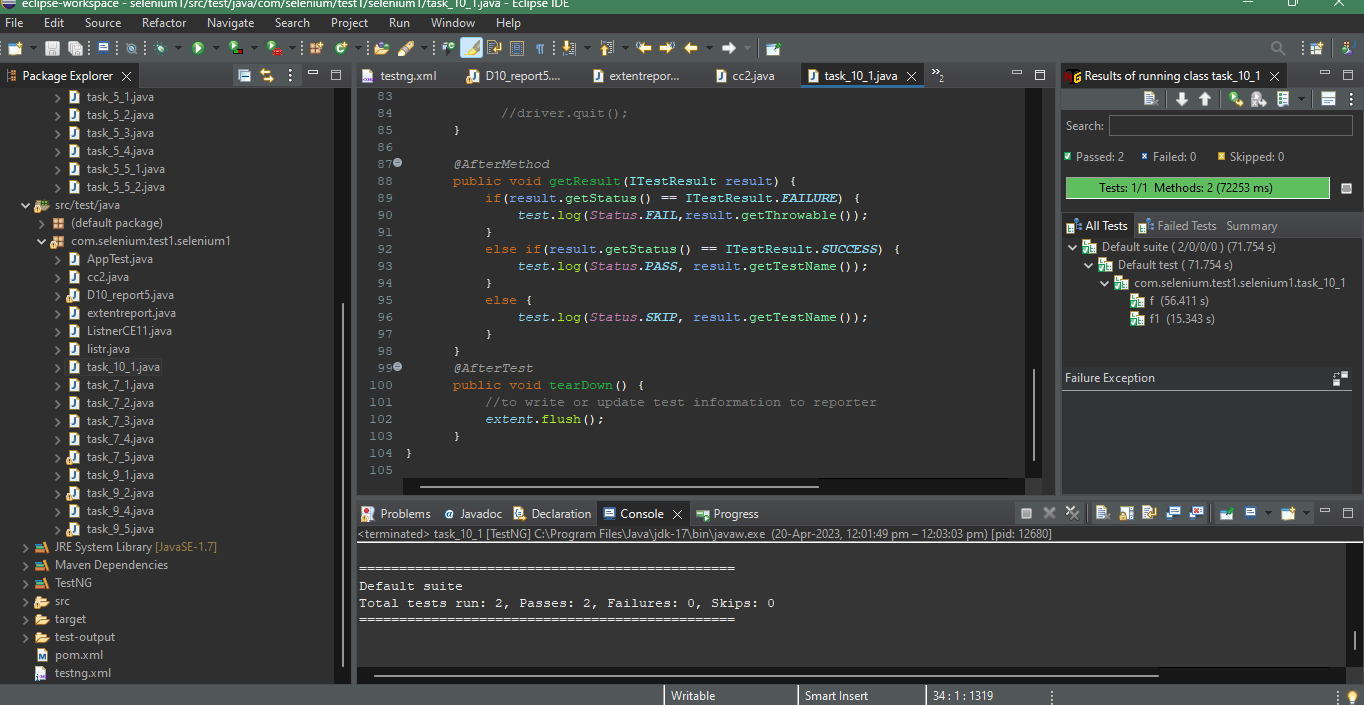
public void tearDown() {

//to write or update test information to reporter

extent.flush();

}

}



**Task 5**

package com.selenium.test1.selenium1;

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 task\_10\_5\_1 {

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:\\Cartoon\\cartoon.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);

}

}

package com.selenium.test1.selenium1;

import org.testng.ITestContext;

import org.testng.ITestListener;

import org.testng.ITestResult;

public class task\_10\_5\_2 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());

}

}

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

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

<test name="Test">

<listeners>

<listener class-name="com.selenium.test1.selenium1.task\_10\_5\_2">

</listener>

</listeners>

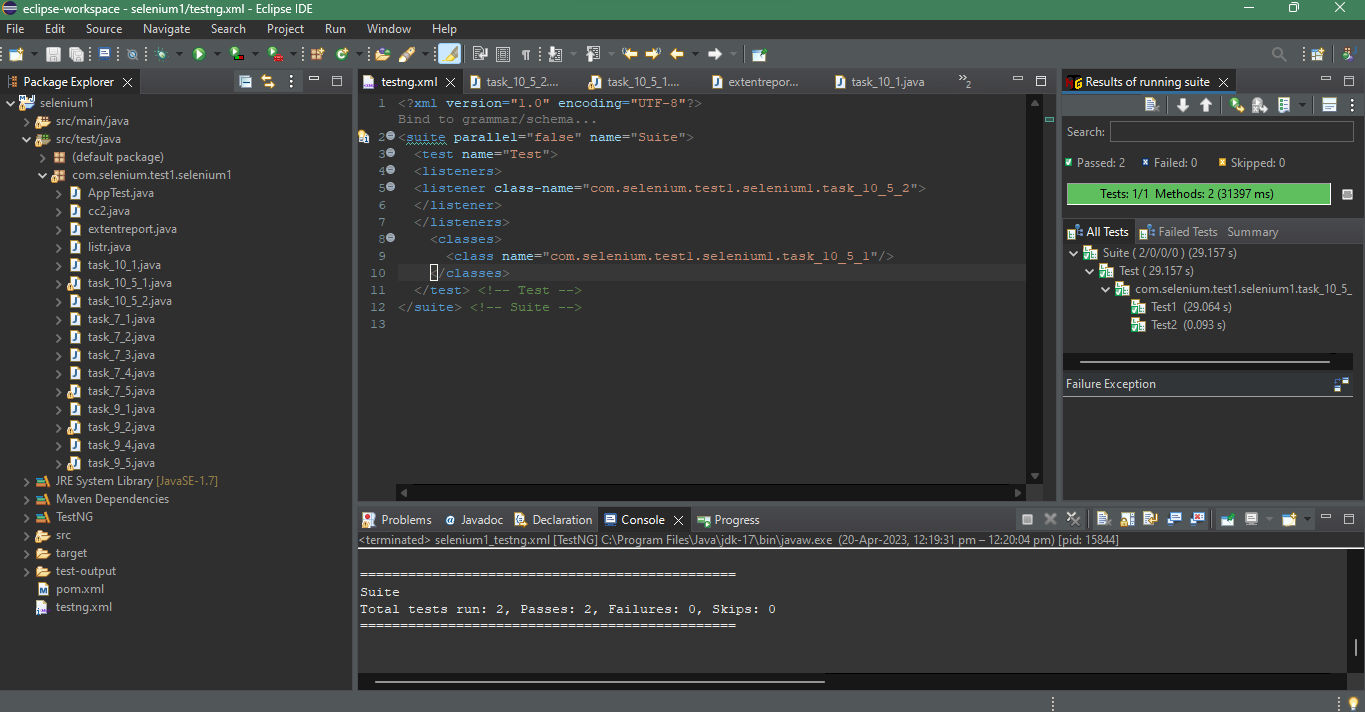
<classes>

<class name="com.selenium.test1.selenium1.task\_10\_5\_1"/>

</classes>

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

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



**Task 4**

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

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

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

<test name="Test">

<classes>

<class name="com.selenium.test2.test2.D10C4"/>

</classes>

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

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

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();

      }

}

