**DAY – 10**

**Task 1 & Task 2 & Task 3:**

package com.DAY10;

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.testng.Assert;

import org.testng.ITestResult;

import org.testng.SkipException;

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;

public class Task1 {

static ExtentTest *test*;

static ExtentReports *extent*;

ExtentHtmlReporter htmlReporter;

String sstloc="C:\\Users\\tharu\\OneDrive\\Desktop\\Software Testing\\Day 10\\scrsht.png";

*@BeforeClass*

public void startReport() {

htmlReporter = new ExtentHtmlReporter("C:\\Users\\tharu\\OneDrive\\Desktop\\Software Testing\\Day 10\\extr.html");

*extent* = new ExtentReports();

*extent*.attachReporter(htmlReporter);

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*

public void t1() {

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

Assert.*assertTrue*(true);

}

*@Test*

public void t2() {

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

Assert.*assertTrue*(false);

}

*@Test*

public void t3() {

*test* = *extent*.createTest("Test Case 3", "The test case 3 has been skipped");

throw new SkipException("The test has been skipped");

}

*@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());

}

}

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);

}

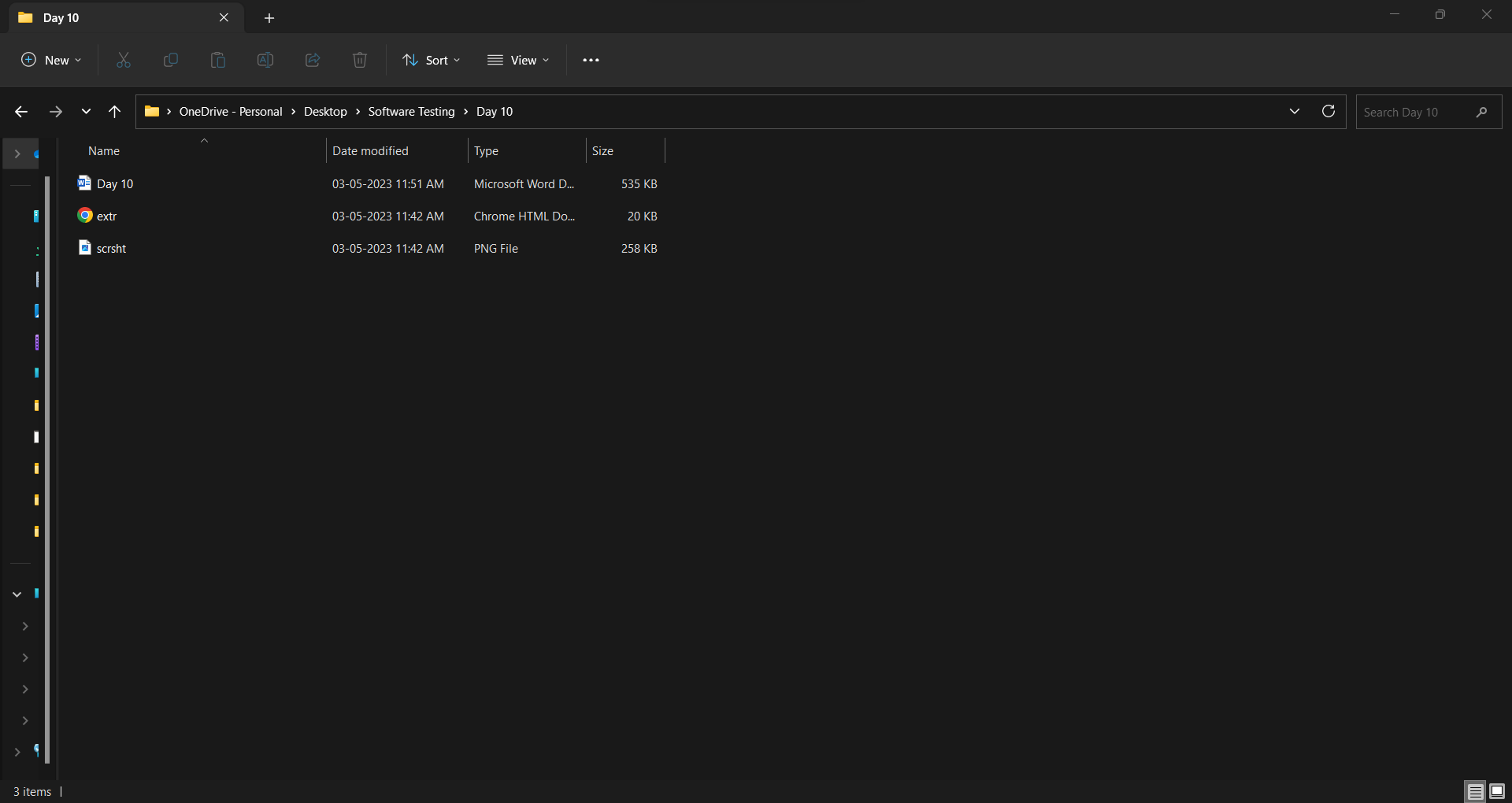
*@AfterTest*

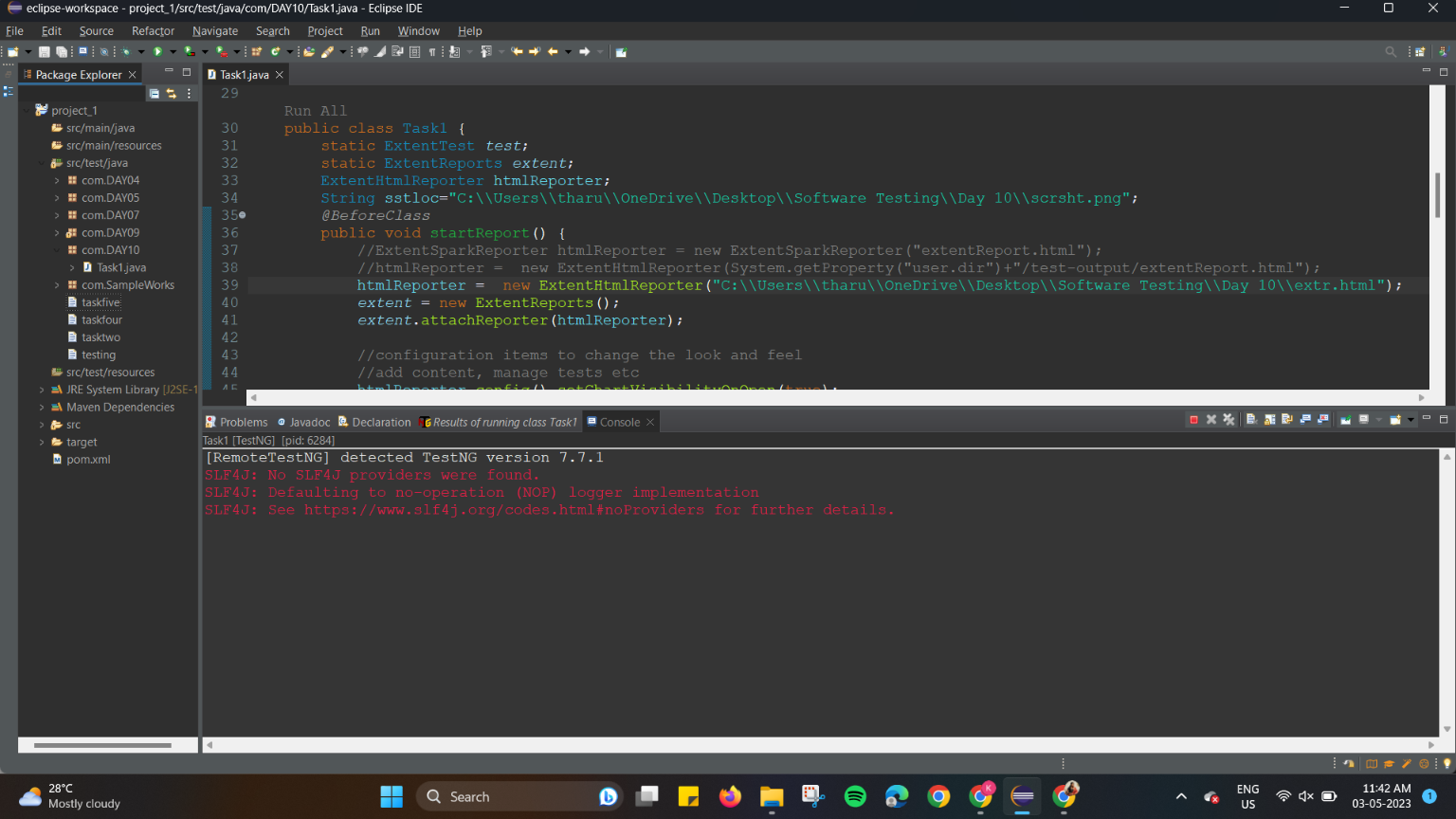
public void tearDown() {

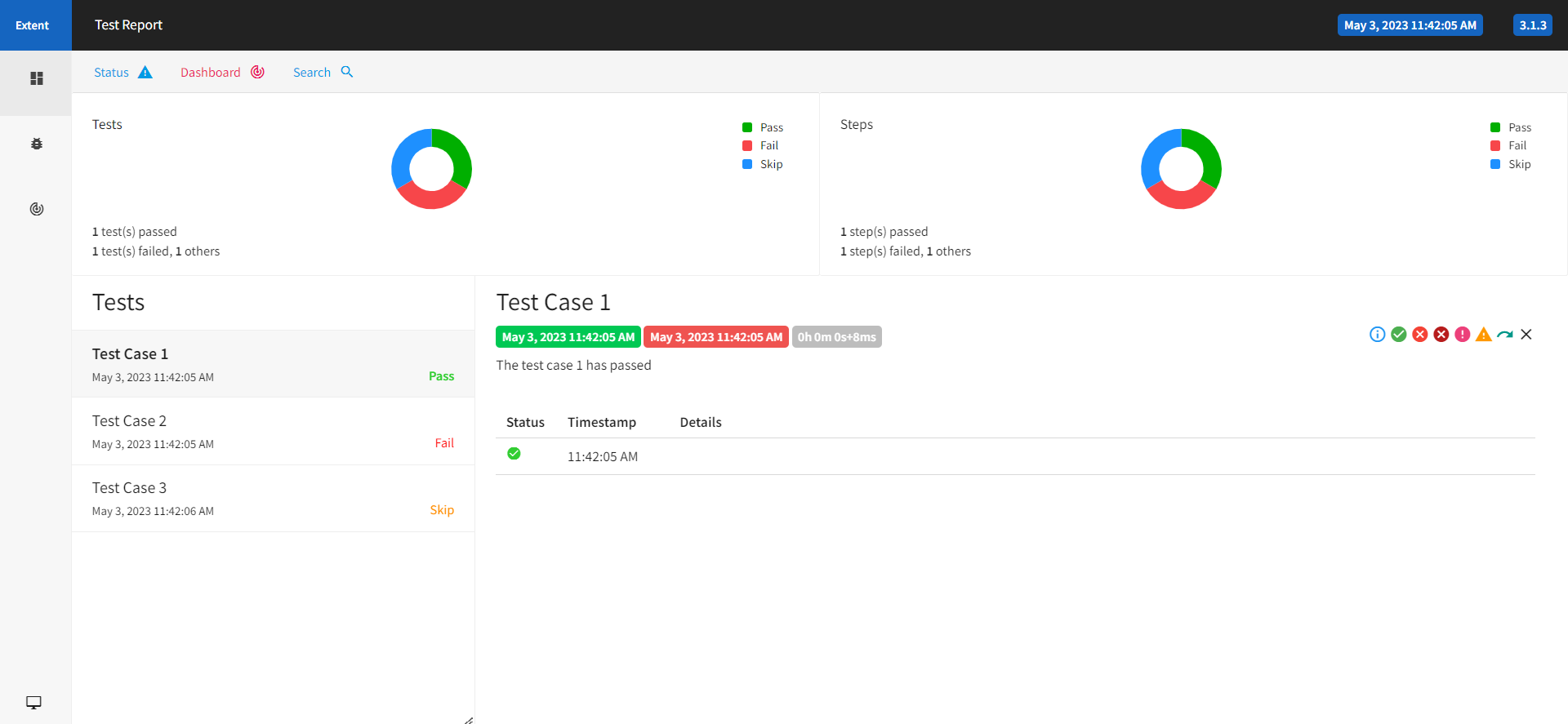
*extent*.flush();

}

}







**Task 4:**

package com.DAY10;

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 Task4 {

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*

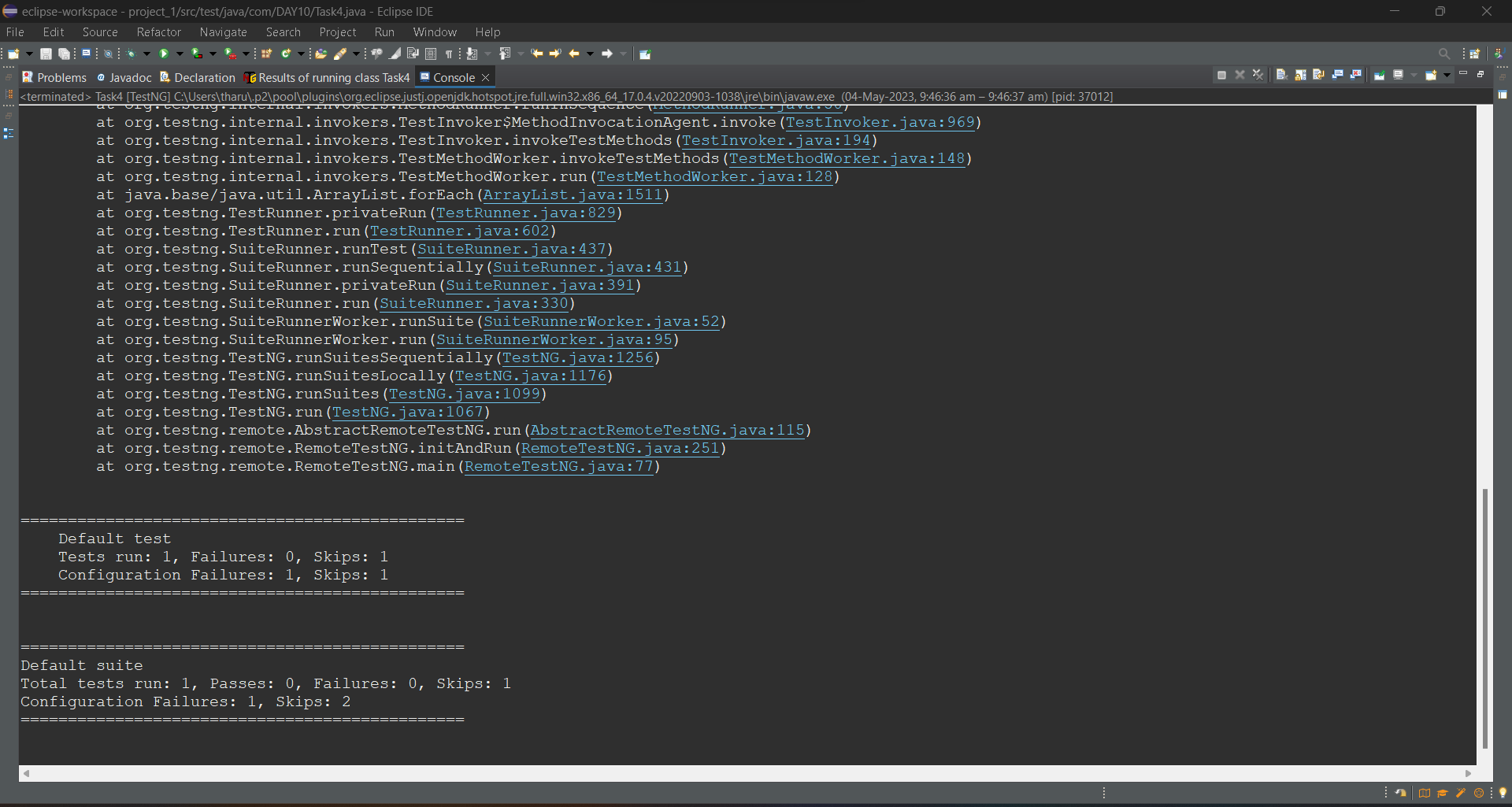
public void afterMethod() {

*extent*.flush();

//driver.close();

}

}



**Task 5:**

* **TestNG file**

package com.DAY10;

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.Assert;

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 Task5 {

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://extr4.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);

}

}

* **Listener file**

package com.DAY10;

import org.testng.ITestContext;

import org.testng.ITestListener;

import org.testng.ITestResult;

public class Task5Listener 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 file**

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

<test name="Test">

<listeners>

<listener class-name="com.Day10.Task5Listener">

</listener>

</listeners>

<classes>

<class name="com.Day10.Task4"/>

</classes>

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

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

