

**GIT Details : <https://github.com/hemanth5321/SDETProject.git>**

## **Problem Statement 1:**

Implement below Program using Java OOPs concepts – Create below three classes and corresponding variables and methods

Account (Base Class) – Include Interest as one variable and corresponding method to calculate Interest and add to the Account

SavingsAccount (Derived Class) – Implement overridden methods of Account Class

CurrentAccount (Derived Class) – Implement overridden methods of Account Class

### **Code :**

#### **Account.java**

```
package Question1;

class Account {

    private float interest;

    void calculatingInterest(float principle_amount, float
number_of_years, float rate_of_interest) {
        this.interest =
(principle_amount*number_of_years*rate_of_interest)/100;
    }

    public float setInterest(float interest) {
        return this.interest = interest;
    }

    public float getInterest() {
        return interest;
    }
}
```

#### **SavingsAccount.java**

```
class SavingsAccount extends Account{

    void calculateInterest(float principle_amount, float number_of_years,
float rate_of_interest) {
        super.calculatingInterest(principle_amount, number_of_years,
rate_of_interest);
    }

}
```

## CurrentAccount.java

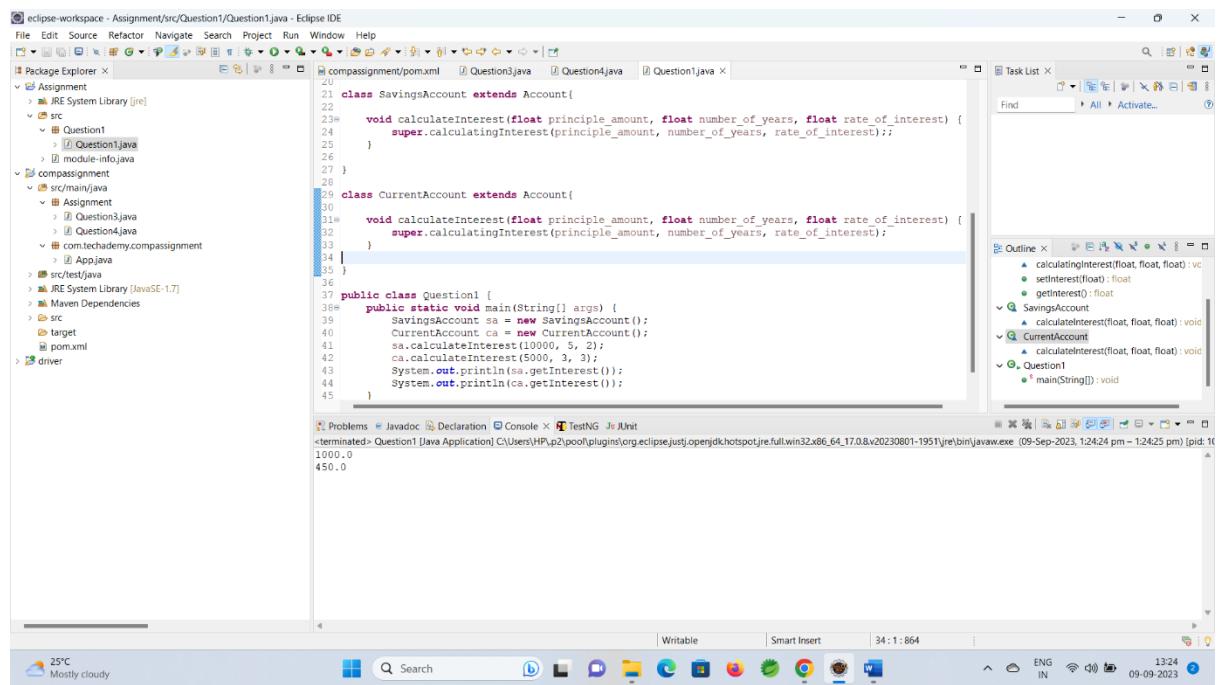
```
class CurrentAccount extends Account{

    void calculateInterest(float principle_amount, float number_of_years,
float rate_of_interest) {
        super.calculatingInterest(principle_amount, number_of_years,
rate_of_interest);
    }

}

public class Question1 {
    public static void main(String[] args) {
        SavingsAccount sa = new SavingsAccount();
        CurrentAccount ca = new CurrentAccount();
        sa.calculateInterest(10000, 5, 2);
        ca.calculateInterest(5000, 3, 3);
        System.out.println(sa.getInterest());
        System.out.println(ca.getInterest());
    }
}
```

## Output :



## Problem Statement 2:

Implement below program using Python. Create a Python class Student with two variables (Name, Grade and Age).

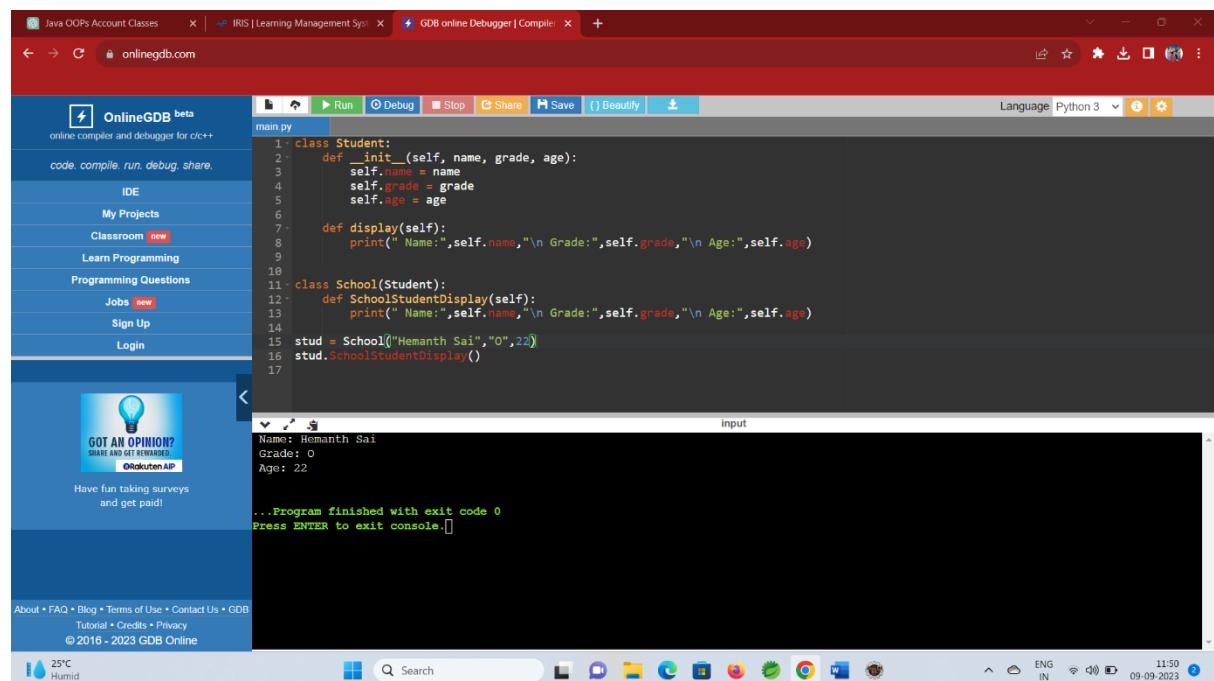
Create a display() – To display Name, Grade and Age of an Object created using Student Class.

Create another class School which inherits from Student class and crate another method SchoolStudentDisplay() – which displays Name, Grade and Age. Which object created using School class.

### Code :

```
class Student:  
    def __init__(self, name, grade, age):  
        self.name = name  
        self.grade = grade  
        self.age = age  
  
    def display(self):  
        print(" Name:",self.name,"\\n Grade:",self.grade,"\\n Age:",self.age)  
  
class School(Student):  
    def SchoolStudentDisplay(self):  
        print(" Name:",self.name,"\\n Grade:",self.grade,"\\n Age:",self.age)  
  
stud = School("Hemanth Sai","O",22)  
stud.SchoolStudentDisplay()
```

### Output :



The screenshot shows a browser window with the OnlineGDB IDE interface. The code editor contains the provided Python script. The output console shows the execution results:

```
Name: Hemanth Sai  
Grade: O  
Age: 22
```

...Program finished with exit code 0  
Press ENTER to exit console.[]

The OnlineGDB interface includes a sidebar with project management options like 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Jobs', 'Sign Up', and 'Login'. A promotional banner for 'GOT AN OPINION?' is visible at the bottom left. The system status bar at the bottom right shows the date and time as 09-09-2023 11:50.

## Problem Statement 3:

Launch a below browser in Firefox and verify makemytrip logo is present or not on the Page.

Implement using Selenium with Web Driver concept <https://www.makemytrip.com/>

### Code :

```
package Assignment;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

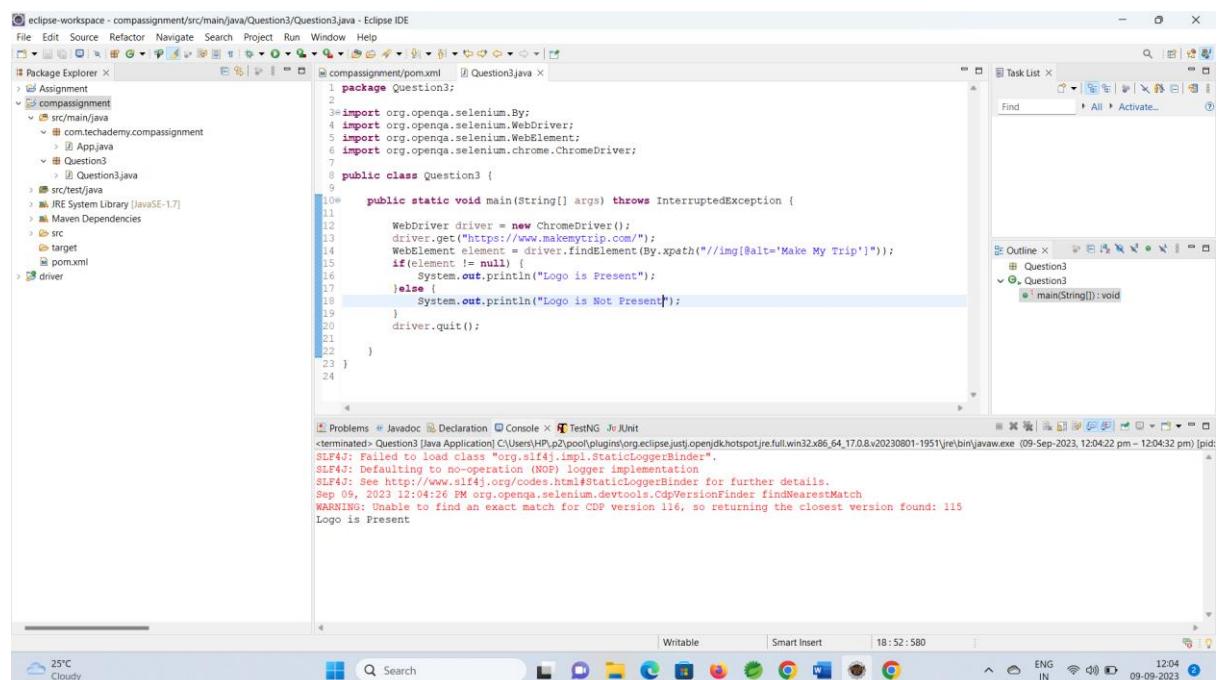
public class Question3 {

    public static void main(String[] args) throws InterruptedException {

        WebDriver driver = new ChromeDriver();
        driver.get("https://www.makemytrip.com/");
        WebElement element =
driver.findElement(By.xpath("//img[@alt='Make My Trip']"));
        if(element != null) {
            System.out.println("Logo is Present");
        }else {
            System.out.println("Logo is Not Present");
        }
        driver.quit();

    }
}
```

### Output :



## Problem Statement 4:

Launch a below browser in Chrome and click on Flights and Select OneWay to enter FROM and TO locations. ((Find the WebElements (Flights, OneWay, FROM and To Webelements using XPaths) <https://www.makemytrip.com/>)

Note: While Implementing above Program, write generic functions to interact with the browser.

### Code :

```
package Assignment;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;

public class Question4 {

    static WebDriver driver;

    static void clickOnFlights() throws InterruptedException {
        driver.findElement(By.xpath("//*[@id=\"sw\"]//div[1]//div[2]//div//nav//ul//li[1]//div//a//span[2]")).click();
        Thread.sleep(3000);
    }

    static void clickOnOneWay() {
        driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[1]//ul//li[1]")).click();
    }

    static void fromLocation() throws InterruptedException {
        driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[1]//label//span")).click();
        Thread.sleep(3000);

        driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[1]//div[1]//div//input")).sendKeys("Pune");
        Thread.sleep(3000);
    }

    static void toLocation() throws InterruptedException {
        driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[2]//label//span")).click();
        Thread.sleep(3000);

        driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[1]//p[1]")).click();
        Thread.sleep(3000);
    }
}
```

```

/div[2]/div[1]/div[2]/div[1]/div/div[1]/input").sendKeys("Visakhapatna
m");
Thread.sleep(3000);

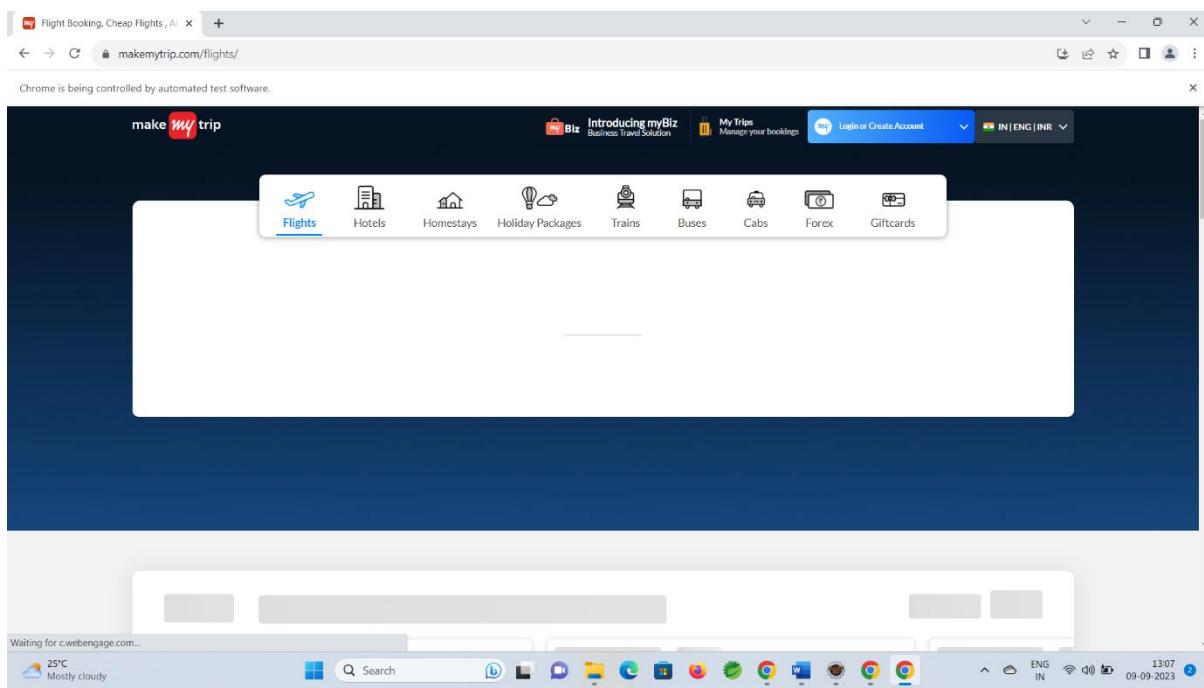
driver.findElement(By.xpath("//*[@id=\"react-autowhatever-1-
section-0-item-0\"]]/div/div[1]/p[1]")).click();
Thread.sleep(3000);
}

static void clickSearch() throws InterruptedException {
    driver.findElement(By.xpath("//*[@id=\"root\"]/div/div[2]/div/div/div
/div[2]/p/a")).click();
    Thread.sleep(3000);
}

public static void main(String[] args) throws InterruptedException {
    driver = new ChromeDriver();
    driver.manage().window().maximize();
    driver.get("https://makemytrip.com/");
    Thread.sleep(3000);
    clickOnFlights();
    clickOnOneWay();
    fromLocation();
    toLocation();
    clickSearch();
    driver.quit();
}
}

```

## Output :



Flight Booking, Cheap Flights , AI x +

makemytrip.com/flights/

Chrome is being controlled by automated test software.

make my trip

Super Offers Explore great deals & offers

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My Trips Manage your bookings

Login or Create Account IN | ENG | INR

Flights Hotels Homestays Holiday Packages Trains Buses Cabs Forex Giftcards

One Way Round Trip Multi City

From Delhi DEL, Delhi Airport India To Bengaluru BLR, Bengaluru International Airport ... Departure 10 Sep'23 Sunday Return Tap to add a return date for bigger discounts Travellers & Class 1 Traveller Economy/Premium Economy

Select A Fare Type: Regular Fares Armed Forces Fares Student Fares Senior Citizen Fares Doctors & Nurses Fares Double Seat Fares

Trending Searches: Mumbai → Goa Delhi → Paris

SEARCH Explore More Where2Go Insurance For International Trips Explore International Flights Cheapest Flights to Paris, Bali, Tokyo & more MICE Offsites, Events & Meetings Gift Cards

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25°C Mostly cloudy

Flight Booking, Cheap Flights , AI x +

makemytrip.com/flights/

Chrome is being controlled by automated test software.

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Biz Introducing myBiz Business Travel Solution

My Trips Manage your bookings

Login or Create Account IN | ENG | INR

Flights Hotels Homestays Holiday Packages Trains Buses Cabs Forex Giftcards

One Way Round Trip Multi City

From Pune To Bengaluru BLR, Bengaluru International Airport ... Departure 10 Sep'23 Sunday Return Tap to add a return date for bigger discounts Travellers & Class 1 Traveller Economy/Premium Economy

SUGGESTIONS

From	To	Code
Pune, India Pune Airport		PNQ
Mumbai, India Chhatrapati Shivaji International Airport		BOM
Shirdi, India Shirdi Airport		SAG
Aurangabad, India Aurangabad Airport		IXU
Kolhapur, India Kolhapur Airport		KLH

SEARCH Explore More Where2Go Insurance For International Trips Explore International Flights Cheapest Flights to Paris, Bali, Tokyo & more MICE Offsites, Events & Meetings Gift Cards

Pay with Visa and stand a chance to win a Scotland trip! Know more VISA

The screenshot shows the MakeMyTrip website's flight search interface. The search parameters are set for a One Way trip from Pune (PNQ) to Visakhapatnam (VSкал) on 10 Sep'23 for 1 Traveller in Economy/Premium Economy. The departure date is highlighted in blue. Below the search bar, there are popular cities suggestions like Mumbai, New Delhi, Bangkok, Bengaluru, and Pune. A promotional banner for a holiday package to Thailand is visible. The bottom of the screen shows the Windows taskbar with various application icons.

The screenshot shows the search results page for the trip from Pune to Visakhapatnam. The search criteria are the same as the previous screenshot. The results show flight options from AirAsia. The first result is a non-stop flight from Pune at 01:55 to Visakhapatnam at 06:40, priced at ₹ 4,599 per adult. Other flight options are listed below, including one with a stopover in Bengaluru. The bottom of the screen shows the Windows taskbar.

## Problem Statement 5:

Implement 3 and 4 Programs using TestNG Concepts and write it using @Test annotation.

To launch the browser (Repeated code) maintain it in @BeforeMethod annotation

Generate TestNG HTML Reports and find the Test Results

## Code :

### Question5A.java (Logo Page)

```
package Assignment;

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.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;

public class Question5A {

    static WebDriver driver;

    @BeforeMethod
    public void setup() throws InterruptedException {
        driver = new ChromeDriver();
        driver.get("https://www.makemytrip.com/");
    }

    @Test
    public void isLogoPresent() throws InterruptedException {
        WebElement element =
driver.findElement(By.xpath("//img[@alt='Make My Trip']"));
        Assert.assertNotEquals(element, null);
    }

    @AfterMethod
    public void teardown() {
        driver.quit();
    }
}
```

### Question5B.java(Flight search)

```
package Assignment;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterMethod;
import org.testng.annotations.BeforeMethod;
import org.testng.annotations.Test;

public class Question5B {

    WebDriver driver;

    @BeforeMethod
    public void setup() throws InterruptedException {
        driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://makemytrip.com/");
        Thread.sleep(3000);
    }
```

```

}

@Test
public void search() throws InterruptedException {
    //click on flights

    driver.findElement(By.xpath("//*[@id=\"sw\"]//div[1]//div[2]//div//div//ul//li[1]//div//a//span[2]")).click();
    Thread.sleep(3000);

    //click on one way

    driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[1]//ul//li[1]")).click();

    //enter from location

    driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[1]//label//span")).click();
    Thread.sleep(3000);

    driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[1]//div[1]//div//input")).sendKeys("Pune");
    Thread.sleep(3000);

    driver.findElement(By.xpath("//*[@id=\"react-autowhatever-1-section-0-item-0\"]//div//div[1]//p[1]")).click();
    Thread.sleep(3000);

    //enter to location

    driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[2]//label//span")).click();
    Thread.sleep(3000);

    driver.findElement(By.xpath("//*[@id=\"root\"]//div//div[2]//div//div//div[2]//div[1]//div[2]//div[1]//div//div//div[1]//input")).sendKeys("Visakhapatnam");
    Thread.sleep(3000);

    driver.findElement(By.xpath("//*[@id=\"react-autowhatever-1-section-0-item-0\"]//div//div[1]//p[1]")).click();
    Thread.sleep(3000);

}

@AfterMethod
public void teardown() {
    driver.quit();
}
}

```

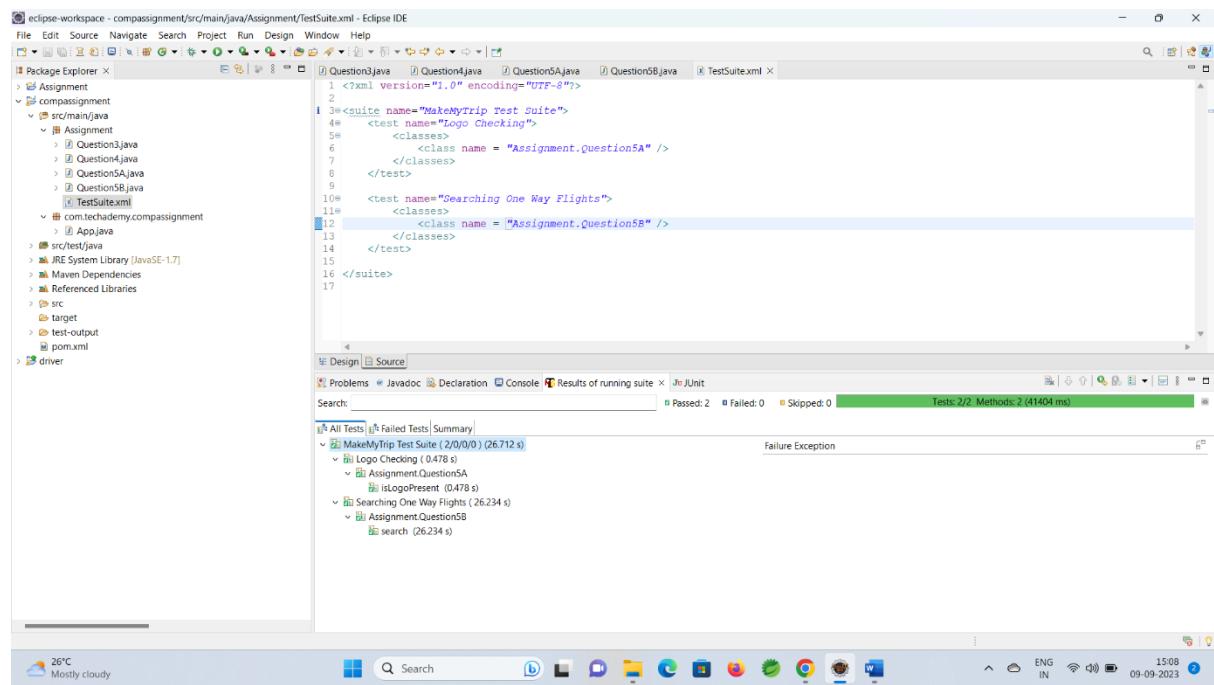
## TestSuite.xml

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

<suite name="MakeMyTrip Test Suite">
    <test name="Logo Checking">
        <classes>
            <class name = "Assignment.Question5A" />
        </classes>
    </test>

    <test name="Searching One Way Flights">
        <classes>
            <class name = "Assignment.Question5B" />
        </classes>
    </test>
</suite>
```

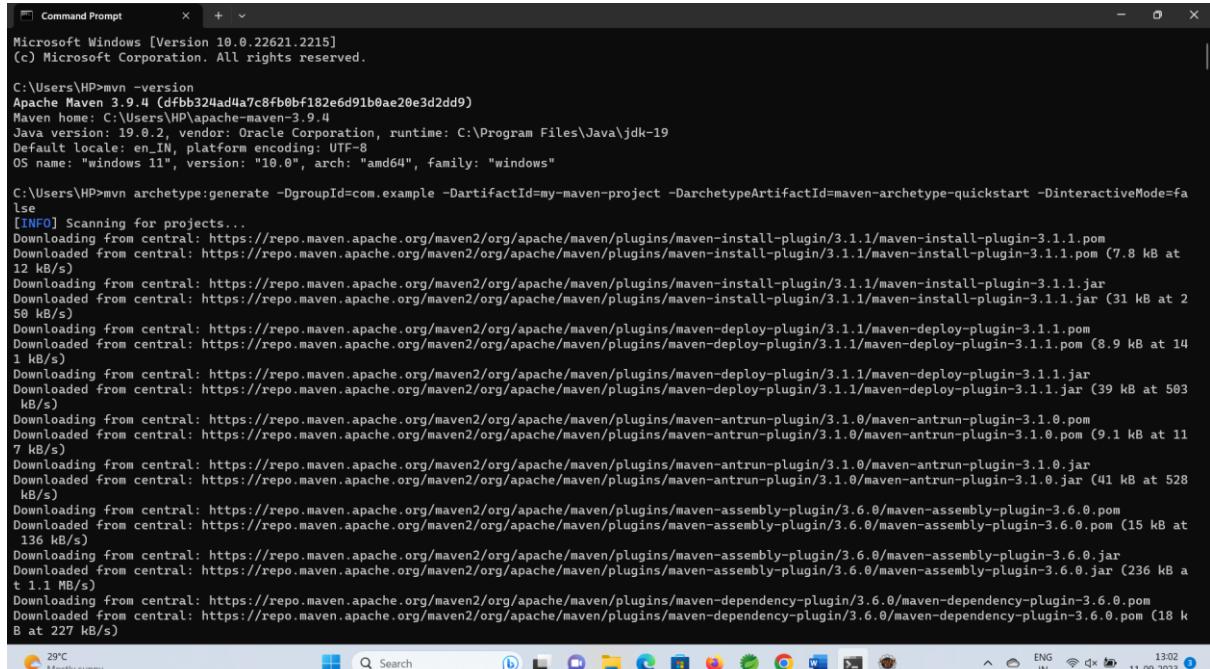
## Output :



## Problem Statement 6:

Create a Maven Project and implement all the programs in Maven Project and add all the necessary Jars and run all the programs using Maven Commands.

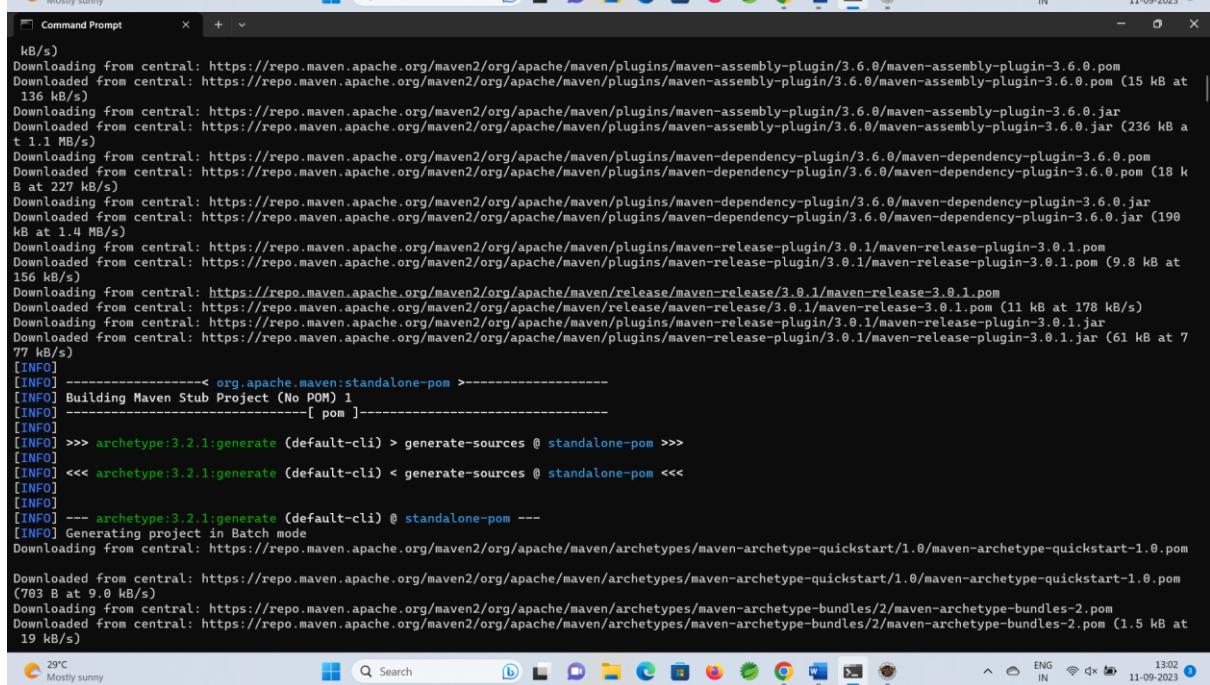
## Output :



```
Microsoft Windows [Version 10.0.22621.2215]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP>mvn -version
Apache Maven 3.9.4 (dfbb324ad4a7c8fb0bf182e6d91b0ae20e3d2dd9)
Maven home: C:\Users\HP\apache-maven-3.9.4
Java version: 19.0.2 vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-19
Default locale: en_IN platform encoding: UTF-8
OS name: "Windows 11", version: "10.0", arch: "amd64", family: "windows"

C:\Users\HP>mvn archetype:generate -DgroupId=com.example -DartifactId=my-maven-project -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.1/maven-install-plugin-3.1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.1/maven-install-plugin-3.1.1.pom (7.8 kB at 12 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.1/maven-install-plugin-3.1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.1/maven-install-plugin-3.1.1.jar (31 kB at 250 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.1/maven-deploy-plugin-3.1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.1/maven-deploy-plugin-3.1.1.pom (8.9 kB at 141 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.1/maven-deploy-plugin-3.1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.1.1/maven-deploy-plugin-3.1.1.jar (39 kB at 503 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/3.1.0/maven-antrun-plugin-3.1.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/3.1.0/maven-antrun-plugin-3.1.0.pom (9.1 kB at 117 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/3.1.0/maven-antrun-plugin-3.1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/3.1.0/maven-antrun-plugin-3.1.0.jar (41 kB at 528 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.pom (15 kB at 136 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.jar (236 kB at 1.1 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.pom (18 kB at 227 kB/s)
```



```
29°C Mostly sunny
ENG IN 13:02 11-09-2023

C:\Users\HP>
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.pom (15 kB at 136 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/3.6.0/maven-assembly-plugin-3.6.0.jar (236 kB at 1.1 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.pom (18 kB at 227 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/3.6.0/maven-dependency-plugin-3.6.0.jar (190 kB at 1.4 MB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/3.0.1/maven-release-plugin-3.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/3.0.1/maven-release-plugin-3.0.1.pom (9.8 kB at 156 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/release/maven-release/3.0.1/maven-release-3.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/release/maven-release/3.0.1/maven-release-3.0.1.pom (11 kB at 178 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/3.0.1/maven-release-plugin-3.0.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/3.0.1/maven-release-plugin-3.0.1.jar (61 kB at 77 kB/s)
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] ----- [ pom ] -----
[INFO]
[INFO] >>> archetype:3.2.1:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< archetype:3.2.1:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO]
[INFO] --- archetype:3.2.1:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.pom

Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.pom (703 B at 9.0 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom (1.5 kB at 19 kB/s)
```

```

Command Prompt x + 
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/2/maven-archetype-bundles-2.pom (1.5 kB at 19 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype-parent/1/maven-archetype-parent-1.pom (1.3 kB at 21 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/4/maven-parent-4.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven-parent/4/maven-parent-4.pom (10.0 kB at 106 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/apache/3/apache-3.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/apache/3/apache-3.pom (3.4 kB at 44 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.0/maven-archetype-quickstart-1.0.jar (4.3 kB at 55 kB/s)
[INFO] [INFO] Using following parameters for creating project from Old (1.x) Archetype: maven-archetype-quickstart-1.0
[INFO] [INFO] Parameter: basedir, Value: C:\Users\HP
[INFO] [INFO] Parameter: package, Value: com.example
[INFO] [INFO] Parameter: groupId, Value: com.example
[INFO] [INFO] Parameter: artifactId, Value: my-maven-project
[INFO] [INFO] Parameter: packageName, Value: com.example
[INFO] [INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] [INFO] project created from Old (1.x) Archetype in dir: C:\Users\HP\my-maven-project
[INFO] [INFO] BUILD SUCCESS
[INFO] [INFO] Total time: 8.177 s
[INFO] [INFO] Finished at: 2023-09-11T12:43:21+05:30
[INFO] [INFO]

C:\Users\HP>cd my-maven-project

C:\Users\HP\my-maven-project>mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] < com.example:my-maven-project >
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO]   [ jar ]
[INFO]   [INFO] 29°C
[INFO]   [INFO] Mostly sunny
[INFO]   [INFO] Search
[INFO]   [INFO] D B E F G H W I C
[INFO]   [INFO] ENG IN 13:02 11-09-2023

[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 5.374 s
[INFO] Finished at: 2023-09-11T12:48:30+05:30
[INFO]
[INFO]

C:\Users\HP\my-maven-project>mvn exec:java -Dexec.mainClass="com.example.MyApp"
[INFO] Scanning for projects...
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/3.1.2/maven-surefire-plugin-3.1.2.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/3.1.2/maven-surefire-plugin-3.1.2.pom (5.5 kB at 8.7 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire/surefire-3.1.2/surefire-3.1.2.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-3.1.2/surefire-3.1.2.pom (22 kB at 203 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin/3.1.2/maven-surefire-plugin-3.1.2.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-surefire-plugin-3.1.2.jar (43 kB at 346 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/maven-metadata.xml
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/maven-metadata.xml (803 B at 10 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.1.0/exec-maven-plugin-3.1.0.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.1.0/exec-maven-plugin-3.1.0.pom (14 kB at 172 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/69/mojo-parent-69.pom
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/mojo-parent/69/mojo-parent-69.pom (35 kB at 445 kB/s)
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.1.0/exec-maven-plugin-3.1.0.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/exec-maven-plugin/3.1.0/exec-maven-plugin-3.1.0.jar (73 kB at 516 kB/s)
[INFO]
[INFO] < com.example:my-maven-project >
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO]   [ jar ]
[INFO]   [INFO] --- exec:3.1.0:java (default-cli) @ my-maven-project ---
[INFO] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/2.1.1/plexus-component-annotations-2.1.1.jar
[INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-component-annotations/2.1.1/plexus-component-annotations-2.1.1.jar (4.1 kB at 44 kB/s)
[WARNING]
[INFO] 29°C
[INFO] Mostly sunny
[INFO] Search
[INFO] D B E F G H W I C
[INFO] ENG IN 13:03 11-09-2023

```

```
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoExecutionException
C:\Users\HP\my-maven-project>mvn exec:java -Dexec.mainClass="com.example.App"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO]      -----[ jar ]-----
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ my-maven-project ---
Hello, Maven!
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time:  1.109 s
[INFO] Finished at: 2023-09-11T12:49:22+05:30
[INFO]
[INFO] -----
C:\Users\HP\my-maven-project>mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO]      -----[ jar ]-----
[INFO]
[INFO] --- clean:3.2.0:clean (default-clean) @ my-maven-project ---
[INFO] Deleting C:\Users\HP\my-maven-project\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time:  0.438 s
[INFO] Finished at: 2023-09-11T12:49:44+05:30
[INFO]
[INFO] -----
C:\Users\HP\my-maven-project>mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] 29°C
Mostly sunny
[INFO] Search
[INFO] ENG IN 13:03 11-09-2023
[INFO] Command Prompt x + v
[INFO] [ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
C:\Users\HP\my-maven-project>mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO]      -----[ jar ]-----
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ my-maven-project ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\HP\my-maven-project\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ my-maven-project ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ my-maven-project ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\HP\my-maven-project\src\test\resources
[INFO]
[INFO] --- compiler:3.11.0:testCompile (default-testCompile) @ my-maven-project ---
[INFO] Changes detected - recompiling the module! :input tree
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file with javac [debug target 1.8] to target\test-classes
[WARNING] bootstrap class path not set in conjunction with -source 8
[INFO]
[INFO] --- surefire:3.1.2:test (default-test) @ my-maven-project ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/maven-surefire-common/3.1.2/maven-surefire-common-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/maven-surefire-common/3.1.2/maven-surefire-common-3.1.2.pom (6.1 kB at 7.3 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/surefire/surefire-api/3.1.2/surefire-api-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/surefire/surefire-api/3.1.2/surefire-api-3.1.2.pom (3.5 kB at 38 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-logger-api/3.1.2/surefire-logger-api-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-logger-api/3.1.2/surefire-logger-api-3.1.2.pom (3.3 kB at 6.9 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-shared-utils/3.1.2/surefire-shared-utils-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-shared-utils/3.1.2/surefire-shared-utils-3.1.2.pom (4.1 kB at 51 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-extensions-api/3.1.2/surefire-extensions-api-3.1.2.pom
[INFO] 29°C
Mostly sunny
[INFO] Search
[INFO] ENG IN 13:03 11-09-2023
[INFO] Command Prompt x + v
```

```

[INFO] Command Prompt x + 
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-testng-utils/3.1.2/surefire-testng-utils-3.1.2.jar (14 kB at 147 kB/s)
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.example.AppTest
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#staticLoggerBinder for further details.
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0.484 s -- in com.example.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 11.357 s
[INFO] Finished at: 2023-09-11T12:59:00+05:30
[INFO] -----



c:\Users\HP\my-maven-project>mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ my-maven-project ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\HP\my-maven-project\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ my-maven-project ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- resources:3.3.1:testResources (default-testResources) @ my-maven-project ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] 29°C
[INFO] Mostly sunny
[INFO] Search
[INFO] 13:03 11-09-2023 ENG IN
-----



[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.084 s
[INFO] Finished at: 2023-09-11T12:59:43+05:30
[INFO] -----



c:\Users\HP\my-maven-project>mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ my-maven-project ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\HP\my-maven-project\src\main\resources
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ my-maven-project ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.407 s
[INFO] Finished at: 2023-09-11T13:00:08+05:30
[INFO] -----



C:\Users\HP\my-maven-project>mvn exec:java -Dexec.mainClass="com.example.MyApp"
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.example:my-maven-project >-----
[INFO] Building my-maven-project 1.0-SNAPSHOT
[INFO]   from pom.xml
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- exec:3.1.0:java (default-cli) @ my-maven-project ---
[WARNING]
[INFO] 29°C
[INFO] Mostly sunny
[INFO] Search
[INFO] 13:04 11-09-2023 ENG IN
-----
```

## Problem Statement 7:

Create a branch in GitHub and write all the programs in that branch and push the code into the same branch. Share the GitHub details to evaluate.

## Output :

```
MINGW64/c/Users/HP/Desktop/SDET Final Assignment/SDETProject
$ git branch Techademy
* main
$ git checkout Techademy
Switched to branch 'Techademy'
$ git status
On branch Techademy
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Output Question-1.png
    Output Question-2.png
    Output Question-3.png
    Output Question-4.png
    Output Question-5.png
    Question-1/
    Question-2/
    Question-3,4,5/
    Question-6/
    Question-7/
    Question-8/
nothing added to commit but untracked files present (use "git add" to track)

MINGW64/c/Users/HP/Desktop/SDET Final Assignment/SDETProject (Techademy)
$ git add -A
warning: in the working copy of 'Question-3,4,5/test-output/default suite/default test.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/default suite/default test.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/MakeMyTrip Test Suite/Logo Checking.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/MakeMyTrip Test Suite/Logo Checking.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/MakeMyTrip Test Suite/Search One Way Flights.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/MakeMyTrip Test Suite/Search One Way Flights.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/junitreports/index-3.6.0.min.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/junitreports/TEST-Assessment.Questions5.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/junitreports/TEST-Assessment.Questions5A.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/classes.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/main.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/methods-alphabetical.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/methods-not-run.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Default suite/toc.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/MakeMyTrip Test Suite/classes.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/MakeMyTrip Test Suite/index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/MakeMyTrip Test Suite/main.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/MakeMyTrip Test Suite/methods-alphabetical.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/old/Question1/question1.css', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/testing-reports.css', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/testing-reports1.css', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Question-3,4,5/test-output/testing-reports2.js', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'testing.css', LF will be replaced by CRLF the next time Git touches it

MINGW64/c/Users/HP/Desktop/SDET Final Assignment/SDETProject
$ git commit -m "Assessment added"
[Techademy 2bf3e1] assessment added
 10 files changed, 1 insertion(+), 0 deletions(-)
 create mode 100644 GIT details.txt
 create mode 100644 Output Question-1.png
 create mode 100644 Output Question-2.png
 create mode 100644 Output Question-3.png
 create mode 100644 Output Question-4/Screenshot (3).png
 create mode 100644 Output Question-4/Screenshot (4).png
 create mode 100644 Output Question-4/Screenshot (5).png
 create mode 100644 Output Question-4/Screenshot (6).png
 create mode 100644 Output Question-4/Screenshot (7).png
 create mode 100644 Question-1/question1.classpath
 create mode 100644 Question-1/question1.project
 create mode 100644 Question-1/src/settings/org.eclipse.core.resources.prefs
 create mode 100644 Question-1/bin/question1/Account.class
 create mode 100644 Question-1/bin/question1/CurrentAccount.class
 create mode 100644 Question-1/bin/question1/Question1.class
 create mode 100644 Question-1/bin/question1/SaveAccount.class
 create mode 100644 Question-1/bin/module-info.class
 create mode 100644 Question-1/src/question1/question1.java
 create mode 100644 Question-1/src/question1/question1.java
 create mode 100644 Question-10/Screenshot (10).png
 create mode 100644 Question-10/Screenshot (20).png
 create mode 100644 Question-10/Screenshot (21).png
 create mode 100644 Question-2/question-2.png
 create mode 100644 Question-3/question-3 (1).png
 create mode 100644 Question-3/question-3.classpath
 create mode 100644 Question-3,4,5/project
 create mode 100644 Question-3,4,5/settings/org.eclipse.core.resources.prefs
 create mode 100644 Question-3,4,5/settings/org.eclipse.m2e.core.prefs
 create mode 100644 Question-3,4,5/settings/org.eclipse.m2e.core.prefs
```

```
MINGW64:/c/Users/HP/Desktop/SDET Final Assignment/SDETProject
create mode 100644 question3/bin/question3/question3Account.class
create mode 100644 question1/bin/module-info.class
create mode 100644 question1/src/question1/question1.java
create mode 100644 question1/src/module-info.java
create mode 100644 question1/src/question1/question1.pom
create mode 100644 question10/Screenshot (20).png
create mode 100644 question10/Screenshot (21).png
create mode 100644 question2/QuesScreenshot (1).png
create mode 100644 question3/A_Screenshot (1).png
create mode 100644 question3-4.5/project
create mode 100644 question3-4.5/.settings/org.eclipse.core.resources.prefs
create mode 100644 question3-4.5/.settings/org.eclipse.dt.core.preferences
create mode 100644 question3-4.5/.settings/org.eclipse.wst.core.prefs
create mode 100644 question3-4.5/pom.xml
create mode 100644 question3-4.5/src/main/java/Assignment/question3.java
create mode 100644 question3-4.5/src/main/java/Assignment/questions.java
create mode 100644 question3-4.5/src/main/java/Assignment/questions5A.java
create mode 100644 question3-4.5/src/main/java/Assignment/question5B.java
create mode 100644 question3-4.5/src/main/java/Assignment/TestSuite.xml
create mode 100644 question3-4.5/src/main/java/com/techademy/compassassignment/App.java
create mode 100644 question3-4.5/src/main/java/com/techademy/compassassignment/AppTest.java
create mode 100644 question3-4.5/target/classes/Assignment/question3.class
create mode 100644 question3-4.5/target/classes/Assignment/question4.class
create mode 100644 question3-4.5/target/classes/Assignment/question5.class
create mode 100644 question3-4.5/target/classes/Assignment/question5A.class
create mode 100644 question3-4.5/target/classes/Assignment/TestSuite.xml
create mode 100644 question3-4.5/target/classes/META-INF/MANIFEST.MF
create mode 100644 question3-4.5/target/classes/META-INF/maven/com.techademy/compassassignment/pom.properties
create mode 100644 question3-4.5/target/classes/META-INF/maven/com.techademy/compassassignment/pom.xml
create mode 100644 question3-4.5/target/classes/com/techademy/compassassignment/App.class
create mode 100644 question3-4.5/target/test-classes/com/techademy/compassassignment/AppTest.class
create mode 100644 question3-4.5/test-output/default-suite/Default test.html
create mode 100644 question3-4.5/test-output/default-suite/index.html
create mode 100644 question3-4.5/test-output/default-suite/testng-failed.xml
create mode 100644 question3-4.5/test-output/MakeMyTrip Test Suite/Logo Checking.html
create mode 100644 question3-4.5/test-output/MakeMyTrip Test Suite/Logo Checking-xm
create mode 100644 question3-4.5/test-output/MakeMyTrip Test Suite/Search for One Way Flights.html
create mode 100644 question3-4.5/test-output/MakeMyTrip Test Suite/searchforOneWay Flights.xml
create mode 100644 question3-4.5/test-output/MakeMyTrip Test Suite/testing-failed.html
create mode 100644 question3-4.5/test-output/bullet_point.png
create mode 100644 question3-4.5/test-output/failed.html
create mode 100644 question3-4.5/test-output/emailable-report.html
create mode 100644 question3-4.5/test-output/failed.htm
create mode 100644 question3-4.5/test-output/index.htm
create mode 100644 question3-4.5/test-output/index.html
create mode 100644 question3-4.5/test-output/questions/16.0.aixin.js
create mode 100644 question3-4.5/test-output/junitreports/TEST-Assignment.Question5.xml
create mode 100644 question3-4.5/test-output/junitreports/TEST-Assignment.Question5A.xml
create mode 100644 question3-4.5/test-output/junitreports/TEST-Assignment.Question5B.xml
create mode 100644 question3-4.5/test-output/junitreports/index.html
create mode 100644 question3-4.5/test-output/junitreports/toc.html
create mode 100644 question3-4.5/test-output/old/Default suite/Default test properties
create mode 100644 question3-4.5/test-output/old/Default suite/classes.html
create mode 100644 question3-4.5/test-output/old/Default suite/groups.html
create mode 100644 question3-4.5/test-output/old/Default suite/index.html
create mode 100644 question3-4.5/test-output/old/Default suite/main.html
create mode 100644 question3-4.5/test-output/old/Default suite/methods-alphabetical.html
create mode 100644 question3-4.5/test-output/old/Default suite/methods-not-run.html
create mode 100644 question3-4.5/test-output/old/Default suite/methods.html
create mode 100644 question3-4.5/test-output/old/Default suite/reporter-output.html
create mode 100644 question3-4.5/test-output/old/Default suite/toc.html
create mode 100644 question3-4.5/test-output/old/Default suite/index.htm
create mode 100644 question3-4.5/test-output/old/MakeMyTrip Test Suite/methods-alphabetical.html
create mode 100644 question3-4.5/test-output/old/MakeMyTrip Test Suite/methods-not-run.html
create mode 100644 question3-4.5/test-output/old/MakeMyTrip Test Suite/methods.html
create mode 100644 question3-4.5/test-output/old/MakeMyTrip Test Suite/reporter-output.html
create mode 100644 question3-4.5/test-output/old/MakeMyTrip Test Suite/toc.html
create mode 100644 question3-4.5/test-output/old/index.htm
create mode 100644 question3-4.5/test-output/testing-failed.htm
create mode 100644 question3-4.5/test-output/testing-failed.html
create mode 100644 question3-4.5/test-output/testing-reports.css
create mode 100644 question3-4.5/test-output/testing-reports1.css
create mode 100644 question3-4.5/test-output/testing-reports1.css
create mode 100644 question3-4.5/test-output/testing-reports2.js
create mode 100644 question3-4.5/test-output/testing-results.xml
create mode 100644 question6/Screenshot (1).png
create mode 100644 question6/Screenshot (12).png
create mode 100644 question6/Screenshot (13).png
create mode 100644 question6/Screenshot (14).png
create mode 100644 question6/Screenshot (15).png
create mode 100644 question6/Screenshot (16).png
create mode 100644 question6/Screenshot (17).png
create mode 100644 question6/Screenshot (18).png
create mode 100644 question6/Screenshot (19).png
create mode 100644 question6/Screenshot (20).png
create mode 100644 question6/Screenshot (21).png
create mode 100644 question9/Screenshot (1).png

MINGW64:/c/Users/HP/Desktop/SDET Final Assignment/SDETProject
$ git push -u origin Techademy
Enumerating objects: 153, done.
Counting objects: 100, done.
Delta compression using up to 8 threads.
Writing objects: 100% (153/153), 5.50 MiB | 1.21 MiB/s, done.
Total 153 (delta 153), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (27/27) done.
To https://github.com/ALRC304/SDET-Final-Assignment.git
 [new branch] Techademy -> Techademy
Branch 'Techademy' set up to track 'origin/Techademy'.

MINGW64:/c/Users/HP/Desktop/SDET Final Assignment/SDETProject (Techademy)
$ git status
On branch Techademy
Your branch is up to date with 'origin/Techademy'.
nothing to commit, working tree clean

MINGW64:/c/Users/HP/Desktop/SDET Final Assignment/SDETProject (Techademy)
$
```

## Problem Statement 8:

Create a collection in Postman and create positive and negative cases for below API. And use get method to get valid responses.

Verify the HTTP Status Codes, while running Positive and Negative Test Cases.

To validate the HTTP Status Codes and responses use Assertions concept in PostMan  
<http://universities.hipolabs.com/search?country=United+States>

## Output :

The screenshot shows the Postman application interface. In the top navigation bar, there are links for Home, Workspaces, Explore, Sign In, and Create Account. The main area displays a history of requests. A specific request is selected: a GET request to <http://universities.hipolabs.com/search?country=United+States>. The request details show the URL, method (GET), and various configuration tabs like Params, Authorization, Headers, Body, Pre-request Script, Tests, and Settings. The Tests tab contains a JavaScript code snippet:

```
1 pm.test("Status code 200 -> Positive Case", function() {  
2     pm.response.to.have.status(200);  
3 });  
4  
5 pm.test("Status code 404 -> Negative Case", function() {  
6     pm.response.to.have.status(404);  
7 });
```

The Test Results section shows two entries: a green PASS status for the positive case and a red FAIL status for the negative case. The results table includes columns for All, Passed, Skipped, and Failed. Below the results, the status message is "Status: 200 OK", the time taken is "Time: 6.64 s", and the size of the response is "Size: 412.66 KB". There is also a "Save Response" button. On the right side of the interface, there are snippets and other documentation links. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.

## Problem Statement 9:

Create Thread Group in Test Plan using JMeter (Use below URL to send request and get the server response)

Use Assertions in JMeter to validate the Responses

Use Assertion Results (Use Listeners Concept) <https://www.makemytrip.com/>

## Output

The screenshot shows the Apache JMeter interface with the 'View Results Tree' listener selected. The left sidebar displays a test plan with a 'Thread Group' containing five 'HTTP Request' samplers. The main panel shows the results for one of these requests. The 'Text' tab is selected, displaying detailed response information:

- Sampler result: Request Response data
- Thread Name: Thread Group 1-5
- Sample Start: 2023-09-11 11:32:33 IST
- Load time: 1953
- Connect Time: 10624
- Latency: 1622
- Size in bytes: 277479
- Sent bytes: 120
- Headers size in bytes: 2257
- Body size in bytes: 275222
- Sample Count: 1
- Error Count: 0
- Data type ("text"|"bin"): text
- Response code: 200
- Response message: OK

Below this, it lists 'HTTPSampleResult fields':  
ContentType: text/html; charset=utf-8  
DataEncoding: utf-8

## Problem Statement 10:

Launch a below browser in Chrome and verify W3Schools logo is present on the Page.

Implement using Selenium with Web Driver concept (Implement it in Python and use pytest Fixtures)

<https://www.w3schools.com/>

### Code :

#### LogoCheck.py:

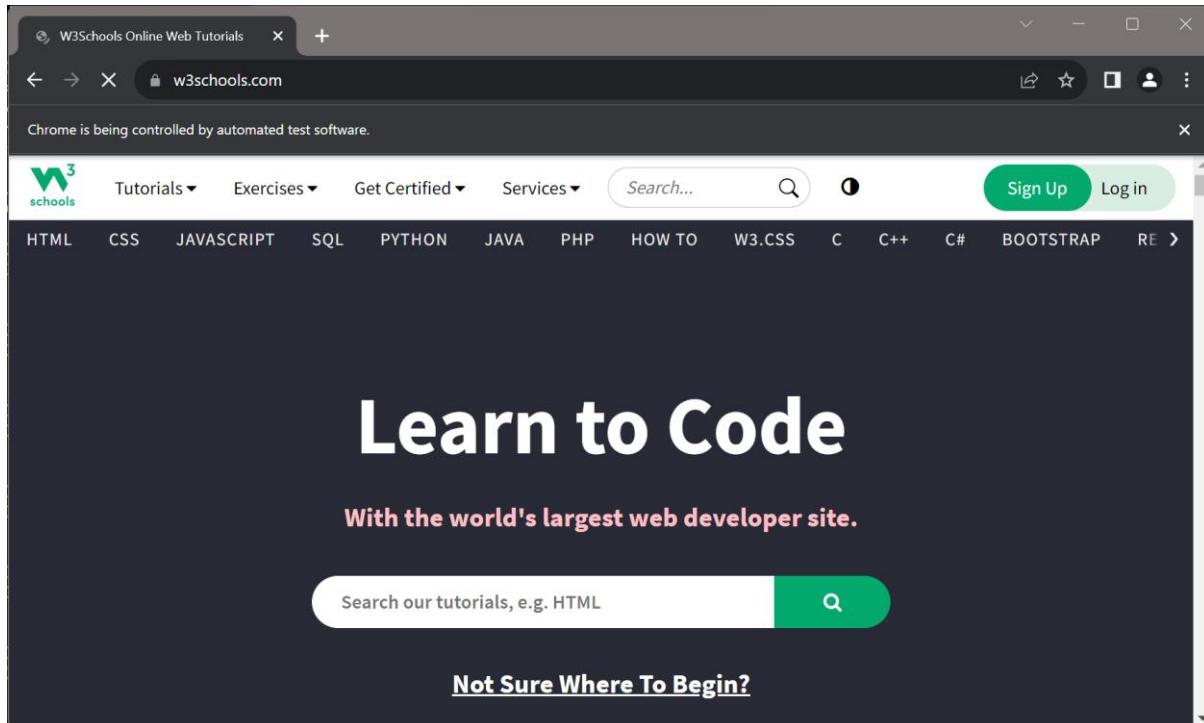
```
from selenium import webdriver
from selenium.webdriver.common.by import By
import unittest

class MyTestCase(unittest.TestCase):

    def test_logo(self):
        driver = webdriver.Chrome()
        driver.get("https://www.w3schools.com/")
        element = driver.find_element(By.XPATH, "//*[@id='w3-logo']/i")
        self.assertNotEqual(element, None)
        driver.quit()

if __name__ == '__main__':
    unittest.main()
```

## Output :



```
Command Prompt
rootdir: C:\Users\HP\Documents\SDET - Training Assignments\Comprehensive-Assignments\Problem-Statement-10
collected 1 item

LogoCheck.py
DevTools listening on ws://127.0.0.1:50696/devtools/browser/06f64f7a-988d-4dae-95ba-8b9fc9257b05
[21032:24700:0906/152220.886:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

[21032:24700:0906/152224.129:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

[21032:24700:0906/152224.102:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

[21032:24700:0906/152230.360:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

[21032:24700:0906/152230.384:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

[21032:24700:0906/152235.015:ERROR:cert_issuer_source_aia.cc(36)] Error parsing cert retrieved from AIA (as DER):
ERROR: Couldn't read tbsCertificate as SEQUENCE
ERROR: Failed parsing Certificate

.
=====
===== 1 passed in 64.06s (0:01:04) =====
C:\Users\HP\Documents\SDET - Training Assignments\Comprehensive-Assignments\Problem-Statement-10>
```