**727721EUIT092**

**IT - "B"**

**CIA - 2**

**EXERCISE 1:**

package Cia2;

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.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Cia2\_1 {

WebDriver driver;

@Test

public void f() throws InterruptedException{

ChromeOptions co=new ChromeOptions();

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

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver(co);

driver.get("https://www.trivago.in/");

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

String currtitle=driver.getTitle();

System.out.println(currtitle);

driver.findElement(By.xpath("//\*[@id=\"input-auto-complete\"]")).click();

Thread.sleep(3000);

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

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div/div[2]/div/div[1]/div[2]/button[24]/time")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div/div[2]/div/div[1]/div[2]/button[26]/time")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[1]/div[1]/div/button[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[1]/div[3]/div/button[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[2]/div[2]/input")).click();

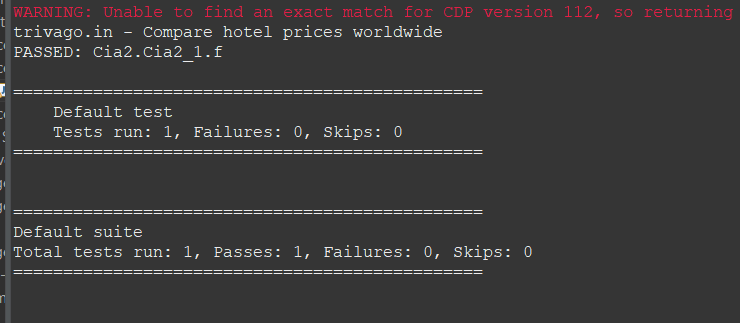
Thread.sleep(3000);

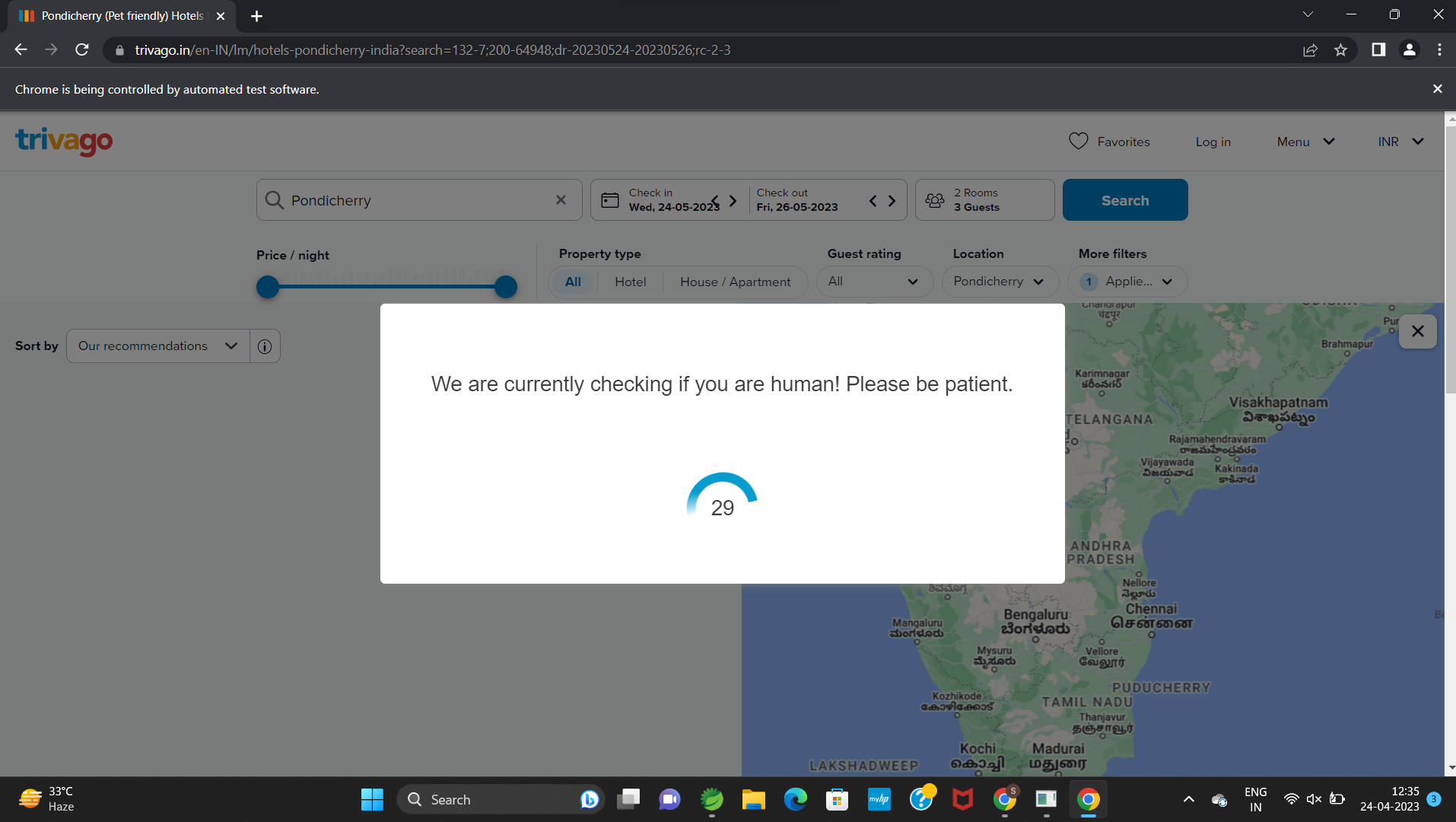
driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[2]/div/button[2]")).click();

}

}

**OUTPUT:**

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**EXERCISE 2:**

package Cia2;

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.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Cia2\_2 {

WebDriver driver;

@Test

public void f() throws InterruptedException{

ChromeOptions co=new ChromeOptions();

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

WebDriverManager.chromedriver().setup();

WebDriver driver=new ChromeDriver(co);

driver.get("https://www.trivago.in/");

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

String currtitle=driver.getTitle();

System.out.println(currtitle);

driver.findElement(By.xpath("//\*[@id=\"input-auto-complete\"]")).click();

Thread.sleep(3000);

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

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div/div[2]/div/div[1]/div[2]/button[24]/time")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div/div[2]/div/div[1]/div[2]/button[26]/time")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[1]/div[1]/div/button[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[1]/div[3]/div/button[2]")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[1]/div/div[2]/div[2]/input")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[2]/div/div/div[2]/div/button[2]")).click();

Thread.sleep(40000);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]")).click();

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]/option[4]")).click();

WebElement name=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[5]/section/div/div/ol/li[1]/div/article/div[2]/div[1]/section/h2/button/span"));

WebElement price=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[5]/section/div/div/ol/li[1]/div/article/div[2]/div[1]/section/h2/button/span"));

WebElement stays=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[5]/div[3]/div/div[2]/div[1]/div/div[2]/div[2]/div/div/div[1]/span[2]/strong"));

WebElement sites=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div[1]/main/div[5]/div[3]/div/div[2]/div[1]/div/div[2]/div[2]/div/div/div[2]/span[2]/strong"));

System.out.print("Hotel Name : "+name.getText());

System.out.print("Hotel Price : "+price.getText());

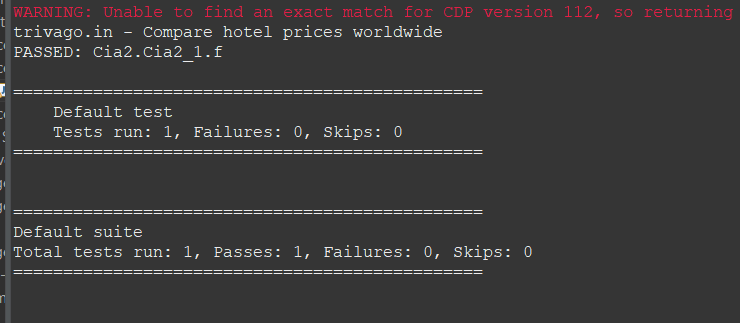
System.out.print("Stays Found : "+stays.getText());

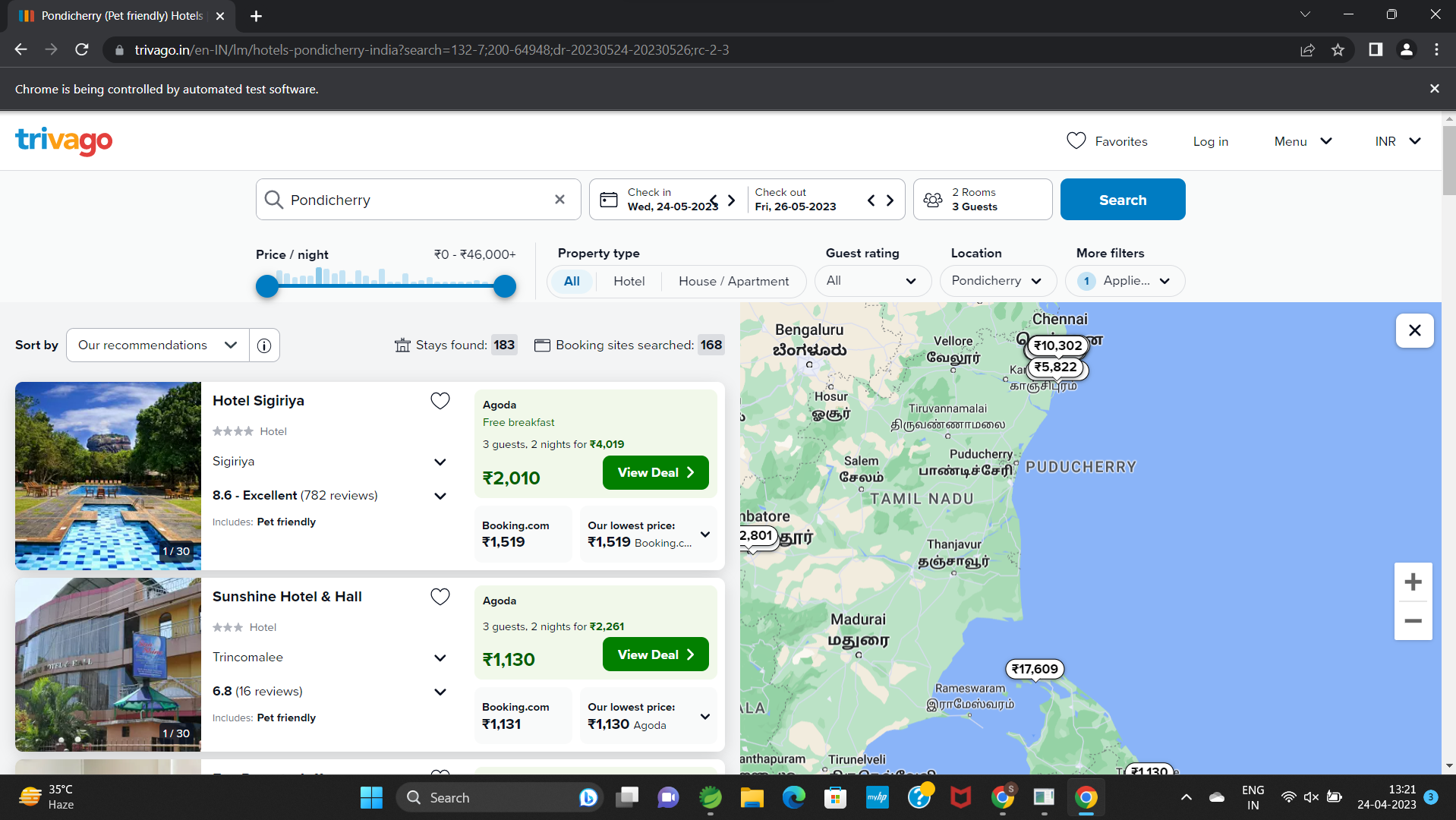
System.out.print("Number of Booking sites Searched : "+sites.getText());

}

}

**OUTPUT:**

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**EXERCISE 3:**

package Cia2;

import java.util.List;

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.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

@Test

public class Cia2\_3 {

WebDriver driver;

public void TC\_003() {

WebDriverManager.chromedriver().setup();

ChromeOptions co=new ChromeOptions();

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

driver=new ChromeDriver(co);

driver.get("https://www.trivago.in/");

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

String txt1=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[3]/div/div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt1);

String txt2=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[4]/div/div/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt2);

String txt3=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[5]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt3);

String txt4=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[6]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt4);

String txt5=driver.findElement(By.xpath("//\*[@id=\"search\"]/div[1]/div[1]/div/span[1]/div[1]/div[7]/div/div/div/div/div/div[2]/div/div/div[1]/h2/a/span")).getText();

System.out.println(txt5);

driver.findElement(By.xpath("//\*[@id=\"sorting-selector\"]/option[3]")).click();

String currentprice=driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[1]/div/p")).getText();

String expectedprice="trivago.in - Compare hotel prices worldwide";

System.out.println(currentprice);

if(currentprice.equals(expectedprice)) {

System.out.println("price Matched");

}

else {

System.out.println("price not Matched");

}

driver.findElement(By.xpath("//\*[@id=\"\_\_next\"]/div/div[1]/main/div[3]/div[1]/div/div[3]/div/div/ol/li/div/article/div[2]/div[2]/div[1]/div/div[3]/div[2]/button/span/span[1]")).click();

driver.findElement(By.xpath("//\*[@id=\"contentContainer\"]/div[3]/ol/li[1]/div[2]/a/div/div[2]/div")).click();

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

driver.findElement(By.xpath("//\*[@id=\"ChildRoom-Ch8I2vnABhACIA4ojuUhMARAAUoJN0QxTl8xMDBQUJgFEgIIARoGEAIoBDAB\"]/div/div[4]/div[2]/div/div[1]/button/div")).click();

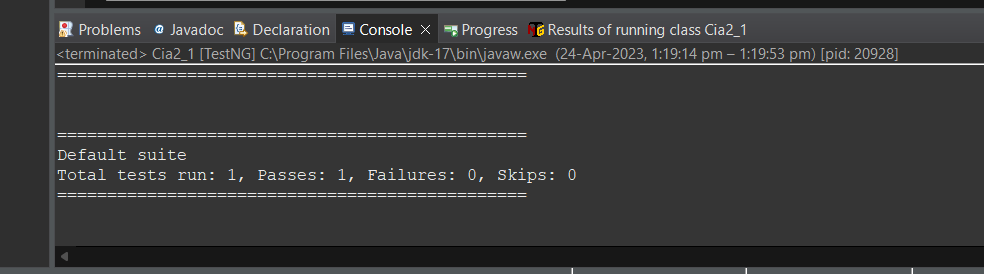
WebElement txtBoxl=driver.findElement(By.xpath("//\*[@id=\"Fullname\"]"));

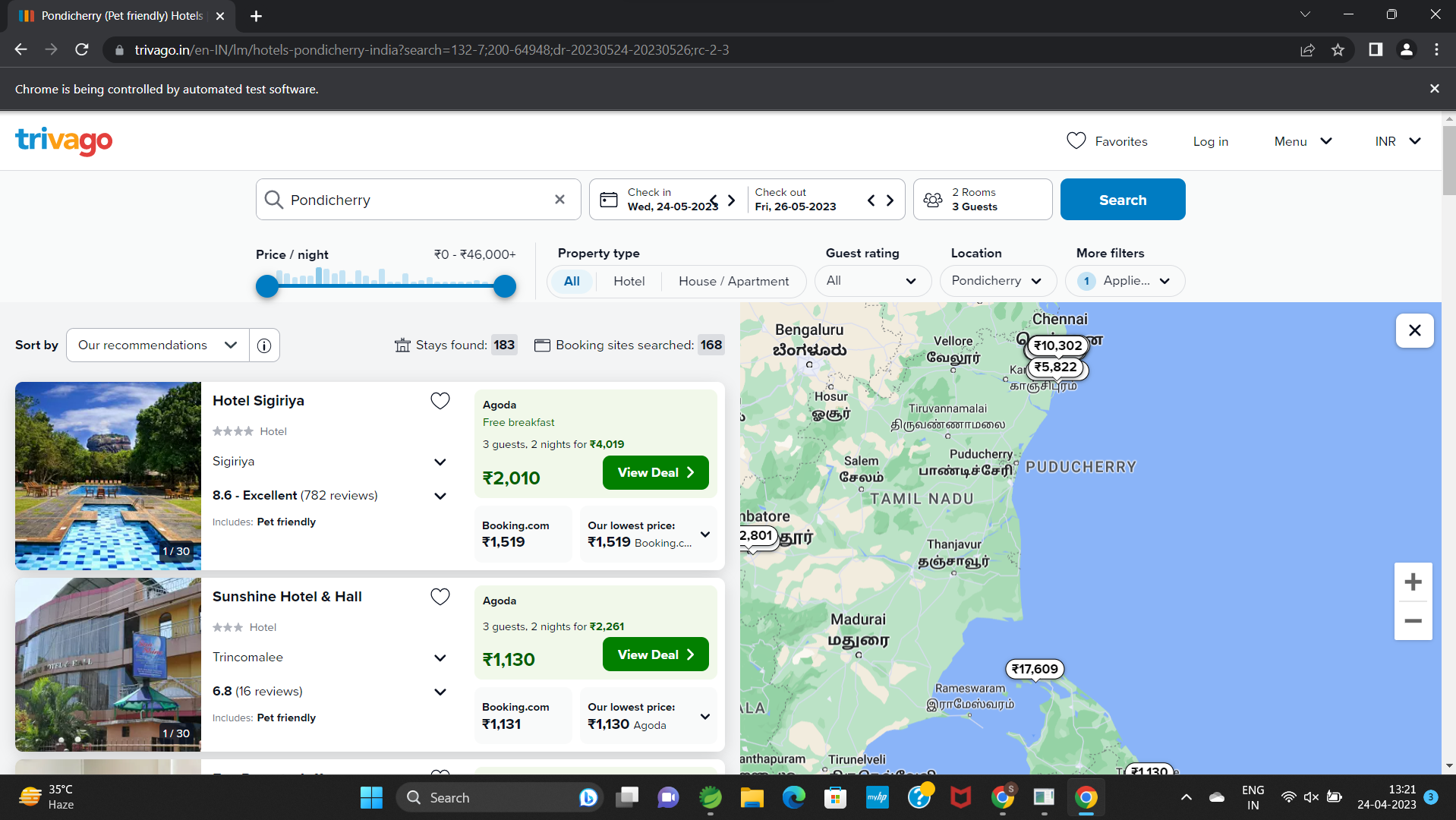
txtBoxl.sendKeys("Sabari");

}

}

**OUTPUT:**

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