

CA-2

**Question 1:**

```
package Question1;

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

import io.github.bonigarcia.wdm.WebDriverManager;

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

public class Question1 {
    WebDriver driver;
    @Test(priority=1)
    public void Mandatory() {
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        driver=new ChromeDriver(co);
        driver.navigate().to("https://www.trivago.in/");
        driver.manage().window().maximize();
        System.out.println(driver.getTitle());
        Assert.assertEquals(driver.getTitle(), "trivago.in - Compare hotel prices
worldwide");
    }

    @Test(priority=2)
    public void tc01(){

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

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

    @Test(priority=3)
    public void tc02() throws InterruptedException {
```

```

driver.findElement(By.xpath("//*[@id=\"__next\"]/div[1]/div[1]/section/div[2]/div[3]/div/div[1]/fieldset/button[1]")).click();
    Thread.sleep(3000);
    driver.findElement(By.xpath("//time[@datetime=\"2023-05-01\"]")).click();
    driver.findElement(By.xpath("//time[@datetime=\"2023-05-06\"]")).click();

}

@Test(priority=4)
public void tc03(){

driver.findElement(By.xpath("//button[@data-testid=\"adults-amount-plus-button\"]")).click();
}

@Test(priority=5)
public void tc04() throws InterruptedException {
    Thread.sleep(3000);
    driver.findElement(By.xpath("//input[@id=\"checkbox-13\"]")).click();
    driver.findElement(By.xpath("//button[@data-testid=\"search-button\"]")).click();
    Thread.sleep(30000);
}

@Test(priority=6)
public void tc05() throws InterruptedException {
    driver.findElement(By.xpath("//label[@data-title=\"Hotel\"]")).click();
    Thread.sleep(3000);
//    button[@title="All"]/span
}

@Test(priority=7)
public void tc06() {
    driver.findElement(By.xpath("//button[@title=\"All\"]//span")).click();
}

}

```

```
WARNING: Unable to find an exact match for CDT version 112, so to
trivago.in - Compare hotel prices worldwide
PASSED: Question1.NewTest.tc06
PASSED: Question1.NewTest.Mandatory
PASSED: Question1.NewTest.tc05
PASSED: Question1.NewTest.tc04
PASSED: Question1.NewTest.tc02
PASSED: Question1.NewTest.tc01
PASSED: Question1.NewTest.tc03

=====

Default test
Tests run: 7, Failures: 0, Skips: 0
=====

=====

Default suite
Total tests run: 7, Passes: 7, Failures: 0, Skips: 0
=====
```

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite							
<a href="#">Default test</a>	7	0	0	0	102,397		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
Question1.NewTest	<a href="#">Mandatory</a>	1682318980285	62353
	<a href="#">tc01</a>	1682319042642	176
	<a href="#">tc02</a>	1682319042821	3445
	<a href="#">tc03</a>	1682319046269	78
	<a href="#">tc04</a>	1682319046350	33162
	<a href="#">tc05</a>	1682319079514	3025
	<a href="#">tc06</a>	1682319082541	82

Default test

Question1.NewTest#Mandatory

## Question 2:

```
package Question1;

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.openqa.selenium.support.ui.Select;

import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Question2 {

    WebDriver driver;

    @Test(priority=1)

    public void Mandatory() throws InterruptedException {

        ChromeOptions co=new ChromeOptions();

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

        WebDriverManager.chromedriver().setup();

        driver=new ChromeDriver(co);

        driver.navigate().to("https://www.trivago.in/en-IN/lm/hotels-pondicherry-india?search=101-2;101-5;101-53;101-6;101-9;200-64948;dr-20230501-20230506");

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

        Thread.sleep(35000);

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

        driver.findElement(By.xpath("//button[@data-testid=\"search-button\"]")).click();

    }

}
```

```

@Test(priority=2)

public void tc01() {

    Select select=new
Select(driver.findElement(By.xpath("//select[@id=\"sorting-selector\"]")));

    select.selectByIndex(3);

}

@Test(priority=3)

public void tc02() {

System.out.println(driver.findElements(By.xpath("//button[@data-testid=\"item-
name\"]")).get(0).getText()+" ");

}

@Test(priority=4)

public void tc03() throws InterruptedException {

    Select select=new
Select(driver.findElement(By.xpath("//select[@id=\"sorting-selector\"]")));

    select.selectByIndex(1);

    Thread.sleep(3000);

}

@Test(priority=5)

public void tc04() {

    List<WebElement>
names=driver.findElements(By.xpath("//button[@data-testid=\"item-name\"] /span"
));

    for(WebElement ele:names)

        System.out.print(ele.getText()+" ");

    System.out.println();

}

```

```

@Test(priority=6)

public void tc05() {

    System.out.println("Stays found :
"+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")).getText());
;

}

@Test(priority=7)

public void tc06() {

    System.out.println("Booking sites reached:
"+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\n")).getText());
;

}

}

```

```

Problems Javadoc Declaration Console × Progress 16 Results of running class Question2
<terminated> Question2 [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (24-Apr-2023, 12:55:38 pm – 12:56:47 pm) [pid: 24516]
ChromeDriver was started successfully.
Apr 24, 2023 12:55:41 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Pondicherry (Hotel, Motel, Resort, Serviced apartment, Hostel) Hotels | Find & compare great deals on trivago
Hotel Sunway Manor
Vmb Residency Spot On 70147 Sri Sakthi Guest House The Annex, Isai Ambalam Guest House Hotel Ayushman OYO 10449 Hotel Le Sai Ar
Stays found : 179
Booking sites reached: 168
PASSED: Question1.Question2.tc01
PASSED: Question1.Question2.tc04
PASSED: Question1.Question2.tc02
PASSED: Question1.Question2.Mandatory
PASSED: Question1.Question2.tc03
PASSED: Question1.Question2.tc06
PASSED: Question1.Question2.tc05

=====
Default test
Tests run: 7, Failures: 0, Skips: 0
=====

=====
Default suite
Total tests run: 7, Passes: 7, Failures: 0, Skips: 0
=====

```

Test	# Passed	# Skipped	# Retried	# Failed	Time (ms)	Included Groups	Excluded Groups
Default suite							
<a href="#">Default test</a>	7	0	0	0	67,664		

Class	Method	Start	Time (ms)
Default suite			
Default test — passed			
Question1.Question2	<a href="#">Mandatory</a>	1682321139637	62836
	<a href="#">tc01</a>	1682321202481	787
	<a href="#">tc02</a>	1682321203270	40
	<a href="#">tc03</a>	1682321203311	3473
	<a href="#">tc04</a>	1682321206786	379
	<a href="#">tc05</a>	1682321207166	57
	<a href="#">tc06</a>	1682321207224	28

Default test

Question1.Question2#Mandatory

[back to summary](#)

### Question 3:

```
package Question1;

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;

public class Question3 {

    WebDriver driver;

    @Test(priority=1)

    public void Mandatory() throws InterruptedException {

        ChromeOptions co=new ChromeOptions();

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

        WebDriverManager.chromedriver().setup();

        driver=new ChromeDriver(co);

        driver.navigate().to("https://www.trivago.in/en-IN/lm/hotels-pondicherry-india?search=101-2;101-5;101-53;101-6;101-9;200-64948;dr-20230501-20230506");

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

        Thread.sleep(35000);

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

        driver.findElement(By.xpath("//button[@data-testid=\"search-button\"]")).click();

    }

}
```



```

@Test(priority=2)

public void tc01() {

    List<WebElement>
names=driver.findElements(By.xpath("//button[@data-testid=\"item-name\"] /span"
));

    for(int i=0;i<5;i++)

        System.out.println(names.get(i).getText()+" ");

    System.out.println();

}

@Test(priority=3)

public void tc02() throws InterruptedException {

driver.findElement(By.xpath("//*[@id=\"__next\"] /div[1] /main /div[5] /section /di
v /div /ol /li[1] /div /article /div[2] /div[2] /div[1] /div /div[3] /div[2] /button")) .cl
ick();

    Thread.sleep(5000);

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

}

@Test(priority=4)

public void tc03() {

    System.out.println("Price :
"+driver.findElement(By.xpath("//*[@id=\"contentContainer\"] /div[3] /ol /li[1] /d
iv[2] /a /div /div[3] /div /div[2] /aside[2] /ul /li[2] /div /span[3]")) .getText());

}

@Test(priority=5)

public void tc04() throws InterruptedException {

```

```

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

        Thread.sleep(5);

    }

    @Test(priority=6)

    public void tc05() {

driver.findElement(By.xpath("//*[@id=\"ChildRoom-CiII6OyUxQQQAiDiAyi4x5ANMARKCzFEMTAwUF8xMDBQUJgFEgYIASICBGwaBCgEMAE=\"]/div/div[4]/div[2]/div/div[1]/button")).click();

    }

    @Test(priority=7)

    public void tc06() {

        driver.findElement(By.xpath("//input[@title=\"Please enter first name\"]")).sendKeys("Vinaya");

        driver.findElement(By.xpath("//input[@title=\"Please enter a valid email address so we can send you your booking confirmation.\"]")).sendKeys("vinayasv24@gmail.com");

        driver.findElement(By.xpath("//input[@title=\"Please make sure the \"Email\" and \"Retype email\" fields match.\"]")).sendKeys("vinayasv24@gmail.com");

    }

    @Test(priority=8)

    public void tc07() {

System.out.println(driver.findElement(By.xpath("//*[@id=\"SiteContent\"]/div/div[2]/div[2]/div[2]/div[1]/h4/span[1]")).getText()+"-
"+driver.findElement(By.xpath("//*[@id=\"SiteContent\"]/div/div[2]/div[2]/div[2]/div[1]/h4/span[2]")).getText());

    }

```

}

```
<terminated> Question3 [TestNG] C:\Program Files\Java\jdk-17\bin\javaw.exe (24-Apr-2023, 1:20:51 pm - 1:21:47 pm) [pid: 14432]
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-heads/5615@{#936}) on port 9515.
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Apr 24, 2023 1:20:56 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 112, so returning the closest version found: 111
Pondicherry (Hotel, Motel, Resort, Serviced apartment, Hostel) Hotels | Find & compare great deals on trivago
Hotel Sunway Manor
Ocean Spray
Accord Puducherry
Palais De Mahe - CGH Earth
Le Dupleix

Pondicherry (Hotel, Motel, Resort, Serviced apartment, Hostel) Hotels | Find & compare great deals on trivago
PASSED: Question1.Question3.tc02
PASSED: Question1.Question3.Mandatory
PASSED: Question1.Question3.tc01
```

Let us know who you are

Full name \*

Email \*

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Country/region of residence \*


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