Task-1:

```java
package com.demo.test;

import org.testng.annotations.Test;

import org.testng.Assert;

import org.testng.annotations.DataProvider;

public class D_9_T_1{




        @Test(dataProvider="dp")

        public void add(Integer a,Integer b){

                int act=a+b;

                int exp=9;

                Assert.assertEquals(act,exp);

                System.out.println("Added");


        }

        @Test(dataProvider="dp")

        public void sub(Integer a,Integer b){

                int act1=a-b;

                int exp1=5;

                Assert.assertEquals(act1,exp1);

                System.out.println("Subtracted");


        }

        @Test(dataProvider="dp")

        public void mult(Integer a,Integer b){
```

```java
        int act2=a*b;

        int exp2=14;

        Assert.assertEquals(act2,exp2);

        System.out.println("Multiplied");


    }
    @Test(dataProvider="dp")
    public void div(Integer a,Integer b){

        int act3=a/b;

        int exp3=3;

        Assert.assertEquals(act3,exp3);

        System.out.println("Divided");


    }


    @DataProvider
    public Object[][] dp(){
      return new Object[][]{
        new Object[]{7,2},

      };
    }
}


package com.demo.test;
import java.util.concurrent.TimeUnit;


import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
```

```java
import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import org.testng.Assert;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;


import io.github.bonigarcia.wdm.WebDriverManager;

public class task_7 {



    WebDriver driver;

    @Test

    public void tc1() throws InterruptedException {

        ChromeOptions co=new ChromeOptions();

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

        WebDriverManager.chromedriver().setup();

        driver=new ChromeDriver(co);

        driver.get("https://www.godaddy.com/");

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

        Thread.sleep(3000);

        String expectedTitle="Domain Names, Websites, Hosting & Online Marketing Tools - GoDaddy IN";

        String actualTitle=driver.getTitle();

        System.out.println(actualTitle);

        Assert.assertEquals(expectedTitle,actualTitle);

        String CurrentUrl=driver.getCurrentUrl();

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

        Assert.assertEquals(CurrentUrl,ExpectedUrl);

    }
```

```java
@Test
public void tc2() throws InterruptedException{
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriverManager.chromedriver().setup();
        driver=new ChromeDriver(co);
        driver.get("https://www.godaddy.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);

driver.findElement(By.xpath("//*[@id=\"id-631b049a-e9c0-4d24-8710-c504745206dd\"]/div[2]/div
[1]/ul/li[1]/button")).click();

driver.findElement(By.xpath("//*[@id=\"id-631b049a-e9c0-4d24-8710-c504745206dd\"]/div[2]/div
[1]/ul/li[1]/div/div[2]/div[1]/ul/li[2]/a")).click();
        }
        @Test
        public void testCase1(){
        String expectedTitle="Domain Names,Websites,Hosting& Online
MarketingTools-GoDaddy IN";
        String actualTitle=driver.getTitle();
        System.out.println(actualTitle);
        Assert.assertEquals(expectedTitle,actualTitle);
        String CurrentUrl=driver.getCurrentUrl();
        String ExpectedUrl="https://www.godaddy.com/en-in";
        Assert.assertEquals(CurrentUrl,ExpectedUrl);
        }
        @Test
        public void testCase2(){
        driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);
```

```java
driver.findElement(By.xpath("/html/body/header/div/section/div/div[1]/nav/div[2]/div[1]/ul/li[1]/button")).click();

driver.findElement(By.xpath("/html/body/header/div/section/div/div[1]/nav/div[2]/div[1]/ul/li[1]/div/div[2]/div[1]/ul/li[2]/a")).click();
    }

    @BeforeMethod
    public void beforeMethod() throws InterruptedException {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        driver=new ChromeDriver(co);
        driver.get("https://www.godaddy.com/");
        driver.manage().window().maximize();
        Thread.sleep(3000);
    }
}
```

```
===============================================
Default suite
Total tests run: 4, Passes: 4, Failures: 0, Skips: 0
===============================================
```

Task-2:

```java
package com.demo.test;

import org.testng.annotations.Test;

import io.github.bonigarcia.wdm.WebDriverManager;

import org.testng.annotations.BeforeMethod;
```

```java
import java.util.concurrent.TimeUnit;

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.annotations.AfterMethod;


public class D_9_T_2{




                WebDriver driver;

                @Test

                public void check() throws InterruptedException{

                Thread.sleep(5000);

                String url=driver.getCurrentUrl();

                String title=driver.getTitle();

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

                String expectedTitle="Domain Names, Websites, Hosting & Online Marketing
Tools - GoDaddy IN";


                Assert.assertEquals(url,expectedUrl);
```

```java
        Assert.assertEquals(title,expectedTitle);
    }
    @BeforeMethod
    public void BeforeMethod(){
ChromeOptions co = new ChromeOptions();
co.addArguments("--remote-allow-origins=*");
WebDriverManager.chromedriver().setup();
driver = new ChromeDriver(co);
driver.get("https://godaddy.com/en-in");
driver.manage().window().maximize();
    }


    @AfterMethod
    public void AfterMethod(){
driver.close();
    }



    @Test
    public void f2() throws InterruptedException{
            ChromeOptions co=new ChromeOptions();
            co.addArguments("--remote-allow-origins=*");
            WebDriverManager.chromedriver().setup();
            driver=new ChromeDriver(co);
            driver.get("https://www.godaddy.com/");
            driver.manage().window().maximize();
            driver.manage().timeouts().implicitlyWait(10,TimeUnit.SECONDS);

driver.findElement(By.xpath("//*[@id=\"id-631b049a-e9c0-4d24-8710-c504745206dd\"]/div[2]/div
[1]/ul/li[1]/button")).click();
```

```java
driver.findElement(By.xpath("//*[@id=\"id-631b049a-e9c0-4d24-8710-c504745206dd\"]/div[2]/div[1]/ul/li[1]/div/div[2]/div[1]/ul/li[2]/a")).click();

}


@Test
public void f3() throws InterruptedException{
    ChromeOptions co=new ChromeOptions();
    co.addArguments("--remote-allow-origins=*");
    WebDriverManager.chromedriver().setup();
    driver=new ChromeDriver(co);
    driver.get("https://www.godaddy.com/");
    driver.manage().window().maximize();

    Thread.sleep(5000);
        String url=driver.getCurrentUrl();
        String expectedUrl="https://www.godaddy.com/en-in";
        Assert.assertEquals(url,expectedUrl);
}


}
```

```
===============================================
Default suite
Total tests run: 3, Passes: 3, Failures: 0, Skips: 0
===============================================
```