

1]

```

1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
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13
14
15
16 public class Day7C1 {
17     WebDriver driver;
18     @Test
19     public void f() throws Exception {
20         String t1=driver.getTitle();
21         System.out.println(t1);
22         String t2="Guest Registration Form - User Registration";
23         Assert.assertEquals(t1,t2);
24     }
25     @BeforeTest
26     public void beforeTest() {
27         WebDriverManager.chromedriver().setup();
28         ChromeOptions co=new ChromeOptions();
29         co.addArguments("--remote-allow-origins=*");
30         driver=new ChromeDriver(co);
31         driver.get("https://demo.vpserverest.com/user-registration/guest-registration-form/");
32         driver.manage().window().maximize();
33     }
34
35
36     @AfterTest
37     public void afterTest() {
38         driver.quit();
39     }
40
41 }
42

```

Results of running class Day7C1

```

<terminated> Day7C1 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4\jre\bin\javaw.exe (02-May-2023, 12:22:56 pm - 12:23:04 pm) [pid: 29628]
SIF4J: See http://www.sif4j.org/codes.html#StaticLoggerBinder for further details.
Starting ChromeDriver 112.0.5615.49 (bd2a7bcb881c1e8cfe3078709382934e3916914-refs/branch-heads/56158/#936) on port 44386
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Guest Registration Form - User Registration
PASSED: f

```

2]

```

1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
5
6
7
8
9
10
11
12
13
14
15
16 public class Day7C2 {
17     int a=7,b=2,c;
18     @Test(priority=4)
19     public void add() {
20         c=a+b;
21         Assert.assertEquals(c,9);
22     }
23     @Test(priority=3)
24     public void sub() {
25         c=a-b;
26         Assert.assertEquals(c,5);
27     }
28     @Test(priority=2)
29     public void mul() {
30         c=a*b;
31         Assert.assertEquals(c,14);
32     }
33     @Test(priority=1)
34     public void div() {
35         c=a/b;
36         Assert.assertEquals(c,3);
37     }
38 }
39

```

Results of running class Day7C2

```

<terminated> Day7C2 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4\jre\bin\javaw.exe (02-May-2023, 12:23:47 pm - 12:23:48 pm) [pid: 26308]
[RemoteTestNG] detected TestNG version 7.4.0
PASSED: sub
PASSED: div
PASSED: mul
PASSED: add

```

```

16
17 public class Day7C3 {
18     WebDriver driver;
19
20     @Test
21     public void f() throws Exception {
22         Thread.sleep(3000);
23         driver.findElement(By.name("username")).sendKeys("Admin"); // username
24         driver.findElement(By.name("password")).sendKeys("admin123"); //pwd
25         driver.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/form/div[2]")).click();
26         Thread.sleep(3000);
27         String ul=driver.getCurrentUrl();
28         System.out.println(ul);
29         String u2="https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index";
30         Assert.assertEquals(ul, u2);
31     }
32
33     @BeforeMethod
34     public void beforeMethod() {
35         WebDriverManager.edgedriver().setup();
36         driver=new EdgeDriver();
37         driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
38         driver.manage().window().maximize();
39     }
40
41     @AfterMethod
42     public void afterMethod() {
43         driver.quit();
44     }
45 }
46

```

Outline

- com.selenium.test
 - Day7C3
 - driver: WebDriver
 - f(): void
 - beforeMethod(): void
 - afterMethod(): void

Declaration Console Results of running class Day7C3

<terminated> Day7C3 [TestNG] C:\eclipse\plugins\org.eclipse.just.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.20220903-1038\jre\bin\java.exe (02-May-2023, 12:24:22 pm - 12:25:28 pm) [pid: 21724]

Please see <https://aka.ms/WebDriverSecurity> for suggestions on keeping Microsoft Edge WebDriver safe.

Microsoft Edge WebDriver was started successfully.
<https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index>
 PASSED: f

The screenshot shows an IDE with a Java file named `Day7C4.java` containing Selenium WebDriver code. The code defines a `Test` annotation, a `WebDriver driver`, and two test methods: `Test1` and `Test2`. `Test1` performs a login by sending keys for username and password, maximizing the window, and waiting for 3000ms. `Test2` prints the current URL and asserts it equals the dashboard URL. The IDE also shows a project explorer with a package structure for `com.selenium.test` and a test runner output window showing successful results for both tests.

```

1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
5 @Test
6 public void Test1() throws Exception {
7     WebDriverManager.edgedriver().setup();
8     driver=new EdgeDriver();
9     driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
10    driver.manage().window().maximize();
11    Thread.sleep(3000);
12    driver.findElement(By.name("username")).sendKeys("Admin"); // username
13    driver.findElement(By.name("password")).sendKeys("admin123"); //pwd
14    driver.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div/div[1]/div/div[2]/form/div[3],
15    Thread.sleep(3000);
16    String u1=driver.getCurrentUrl();
17    System.out.println(u1);
18    String u2="https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index";
19    org.testng.Assert.assertEquals(u1, u2);
20 }
21
22 @Test(dependsOnMethods = {"Test1"})
23 public void Test2() throws Exception {
24     driver.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div/div[1]/header/div[1]/div[2]/ul/li/span")).click();
25     Thread.sleep(3000);
26     driver.findElement(By.xpath("//*[@id=\"app\"]/div[1]/div/div[1]/header/div[1]/div[2]/ul/li/li/li[4],
27 }
28
29 }
30
31
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```

Declaration Console Results of running class Day7C4

```

<terminated> Day7C4 [TestNG] C:\eclipse\plugins\org.eclipse.justopenjdk\hotspot.jre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (02-May-2023, 12:26:15 pm - 12:26:39 pm) [pid: 30296]
Microsoft Edge WebDriver was started successfully.
https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index
PASSED: Test1
PASSED: Test2

```

5]

The screenshot shows the Eclipse IDE with several tabs open. The active tab is 'Day7C5.java', which contains the following Java code:

```
1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
5
6
7
8 public class Day7C5 {
9     @Test(groups= {"SmokeTest"})
10     public void Test1() throws Exception {
11         WebDriver driver;
12         ChromeOptions co = new ChromeOptions();
13         co.addArguments("--remote-allow-origins=");
14         driver=new ChromeDriver(co);
15         driver.get("https://www.godaddy.com/en-in");
16         driver.manage().window().maximize();
17         Thread.sleep(3000);
18         String tl=driver.getTitle();
19         System.out.println(tl);
20         Assert.assertEquals(tl, "Domain Names, Websites, Hosting & Online Marketing Tools - GoDaddy");
21         String ul=driver.getCurrentUrl();
22         Assert.assertEquals(ul,"https://www.godaddy.com/en-in");
23         driver.quit();
24     }
25
26     @Test(groups= {"RegressionTest"})
27     public void Test2() throws Exception {
28         WebDriver driver;
29         ChromeOptions co = new ChromeOptions();
30         co.addArguments("--remote-allow-origins=");
31         driver=new ChromeDriver(co);
32         driver.get("https://www.godaddy.com/en-in");
33         driver.manage().window().maximize();
34         Thread.sleep(3000);
35     }
36 }
```

The Outline view on the right shows the package structure: 'com.selenium.test' containing 'Day7C5', which has four test methods: 'Test10 : void', 'Test20 : void', 'Test30 : void', and 'Test40 : void'.

The Console view at the bottom shows the output of running the class 'Day7C5':

```
<terminated> Day7C5 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4\jre\bin\javaw.exe (02-May-2023, 12:27:10 pm - 12:27:21 pm) [pid: 26300]
ChromeDriver was started successfully.
in smoke test
in RegressionTest
PASSED: Test3
PASSED: Test1
PASSED: Test4
PASSED: Test2
```