

1]

```

1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
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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;
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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

```

3]

The screenshot shows an IDE with a Java file named `Day7C3.java`. The code defines a `Day7C3` class with a `WebDriver driver` field. It includes a `@Test` method `f()` that performs a login and dashboard check. Lifecycle methods `@BeforeMethod` and `@AfterMethod` are also present. The `@BeforeMethod` sets up the Edge driver and logs in. The `@AfterMethod` quits the driver. The console output shows the test passing successfully.

```
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"); // password
25         driver.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div
26         Thread.sleep(3000);
27         String url=driver.getCurrentUrl();
28         System.out.println(url);
29         String u2="https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index";
30         Assert.assertEquals(u1, u2);
31     }
32     @BeforeMethod
33     public void beforeMethod() {
34         WebDriverManager.edgedriver().setup();
35         driver=new EdgeDriver();
36         driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
37         driver.manage().window().maximize();
38     }
39
40     @AfterMethod
41     public void afterMethod() {
42         driver.quit();
43     }
44 }
45
46
```

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.justi.openjdkhotspotjre.full.win32.x86_64.17.0.4.v20220903-1038\jre\bin\javaw.exe (02-May-2023, 12:24:22 pm - 12:25:28 pm) [pid: 21724]
Only local connections are allowed.
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

4]

The screenshot shows an IDE with a Java file named `Day7C4.java`. The code defines a `Day7C4` class with a `WebDriver driver` field. It includes two `@Test` methods, `Test1()` and `Test2()`. `Test1()` performs a login and dashboard check. `Test2()` performs a search for 'app' in the header. The `@Test` annotation for `Test2()` includes `dependsOnMethods = "Test1"`. The console output shows both tests passing successfully.

```
1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
5
6
7
8
9
10
11
12
13
14
15 public class Day7C4 {
16     WebDriver driver;
17
18     @Test
19     public void Test1() throws Exception {
20         WebDriverManager.edgedriver().setup();
21         driver=new EdgeDriver();
22         driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
23         driver.manage().window().maximize();
24         Thread.sleep(3000);
25         driver.findElement(By.name("username")).sendKeys("Admin"); // username
26         driver.findElement(By.name("password")).sendKeys("admin123"); // password
27         driver.findElement(By.xpath("//*[@id='app']/div[1]/div/div[1]/div/div[2]/div[2]/form/div[3],
28         Thread.sleep(3000);
29         String url=driver.getCurrentUrl();
30         System.out.println(url);
31         String u2="https://opensource-demo.orangehrmlive.com/web/index.php/dashboard/index";
32         org.testng.Assert.assertEquals(u1, u2);
33     }
34     @Test(dependsOnMethods = "Test1")
35     public void Test2() throws Exception {
36         driver.findElement(By.xpath("//*[@id='app']/div[1]/div[1]/header/div[1]/div[2]/ul/li/span")).c
37         Thread.sleep(3000);
38         driver.findElement(By.xpath("//*[@id='app']/div[1]/div[1]/header/div[1]/div[2]/ul/li/li[4],
39     }
40 }
41
```

com.selenium.test
Day7C4
driver: WebDriver
Test1: void
Test2: void

Declaration Console Results of running class Day7C4
<terminated> Day7C4 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdkhotspotjre.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: Day9C1.java, Day9C2.java, Day7C1.java, Day7C2.java, Day7C5.java, Day7C3.java, and Day7C4.java. The main editor displays the code for Day7C5.java, which contains two test methods: Test1 (SmokeTest) and Test2 (RegressionTest). Both tests use WebDriver to interact with a web browser, navigate to a specific URL, and perform assertions. The console output at the bottom shows the results of running the class Day7C5, indicating that the ChromeDriver was started successfully and all tests passed.

```
1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
17 public class Day7C5 {
18     @Test(groups= {"SmokeTest"})
19     public void Test1() throws Exception {
20         WebDriver driver;
21         ChromeOptions co = new ChromeOptions();
22         co.addArguments("--remote-allow-origins=");
23         driver=new ChromeDriver(co);
24         driver.get("https://www.godaddy.com/en-in");
25         driver.manage().window().maximize();
26         Thread.sleep(3000);
27         String tl=driver.getTitle();
28         System.out.println(tl);
29         Assert.assertEquals(tl, "Domain Names, Websites, Hosting & Online Marketing Tools - GoDaddy");
30         String ul=driver.getCurrentUrl();
31         Assert.assertEquals(ul,"https://www.godaddy.com/en-in");
32         driver.quit();
33     }
34
35     @Test(groups= {"RegressionTest"})
36     public void Test2() throws Exception {
37         WebDriver driver;
38         ChromeOptions co = new ChromeOptions();
39         co.addArguments("--remote-allow-origins=");
40         driver=new ChromeDriver(co);
41         driver.get("https://www.godaddy.com/en-in");
42         driver.manage().window().maximize();
43         Thread.sleep(3000);
44     }
45 }
```

Declaration Console Results of running class Day7C5
<terminated> Day7C5 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4\j2220903-1038\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