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1]

The screenshot shows an IDE with a Java file named `Day7C1.java` and its execution results. The code is a Selenium test class that uses `WebDriver` to interact with a web application. It includes a `beforeTest` method to set up the driver and a `afterTest` method to quit the driver. The test method `f()` performs a guest registration form test. The console output shows the test results, including the URL of the web application and the test status.

```
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.jdt.launcher\org.eclipse.jdt.launcher.exe (02-May-2023, 12:22:56 pm - 12:23:04 pm) [pid: 29628]
SLF4J: See <http://www.slf4j.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

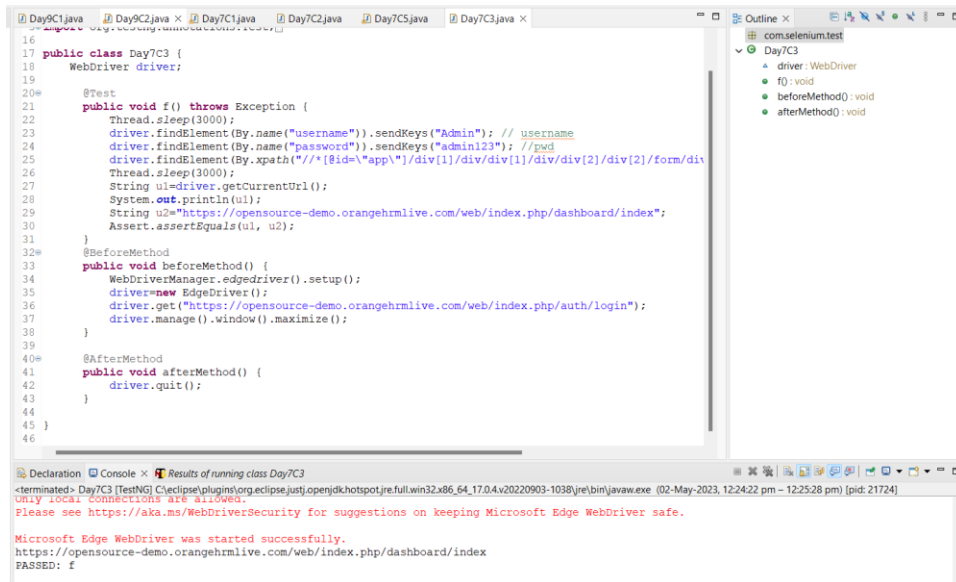
2]

The screenshot shows an IDE with a Java file named `Day7C2.java` and its execution results. The code is a Selenium test class that uses `WebDriver` to interact with a web application. It includes a `beforeTest` method to set up the driver and a `afterTest` method to quit the driver. The test method `f()` performs a guest registration form test. The console output shows the test results, including the URL of the web application and the test status.

```
1 package com.selenium.test;
2
3 import org.testng.annotations.Test;
4
5
6
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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
40
```

Results of running class Day7C2
<terminated> Day7C2 [TestNG] C:\eclipse\plugins\org.eclipse.jdt.launcher\org.eclipse.jdt.launcher.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` containing Selenium test code. The code includes imports for `WebDriver`, `WebDriverManager`, `EdgeDriver`, `By`, `WebDriverException`, `Thread`, `Assert`, and `System.out`. The `Day7C3` class has a `WebDriver driver` field, a `@Test` annotated `public void f() throws Exception` method, a `@BeforeMethod` annotated `public void beforeMethod()` method, and an `@AfterMethod` annotated `public void afterMethod()` method. The `f()` method performs login actions and asserts the URL. The `beforeMethod()` method sets up the `EdgeDriver` and maximizes the window. The `afterMethod()` method calls `driver.quit()`.

On the right, the 'Outline' view shows the package `com.selenium.test` and the class `Day7C3` with its methods: `driver : WebDriver`, `f() : void`, `beforeMethod() : void`, and `afterMethod() : void`.

At the bottom, the 'Console' view shows the output of running the class `Day7C3`. It indicates that the Microsoft Edge WebDriver was started successfully and that the test passed.

```
<terminated> Day7C3 [TestNG] C:\eclipse\plugins\org.eclipse.jdt.openjdk\hotspot\re.full.win32.x86_64_17.0.4.v20220903-1038\re\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]

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

Declaration Console Results of running class Day7C4

<terminated> Day7C4 [TestNG] C:\eclipse\plugins\org.eclipse.justi.openjdk 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]

```
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 Day7C5 {
16     @Test(groups= {"SmokeTest"})
17     public void Test1() throws Exception {
18         WebDriverManager.chromedriver().setup();
19         WebDriver driver;
20         ChromeOptions co = new ChromeOptions();
21         co.addArguments("--remote-allow-origins=");
22         driver=new ChromeDriver(co);
23         driver.get("https://www.godaddy.com/en-in");
24         driver.manage().window().maximize();
25         Thread.sleep(3000);
26         String t1=driver.getTitle();
27         System.out.println(t1);
28         Assert.assertEquals(t1, "Domain Names, Websites, Hosting & Online Marketing Tools - GoDaddy");
29         String u1=driver.getCurrentUrl();
30         Assert.assertEquals(u1, "https://www.godaddy.com/en-in");
31         driver.quit();
32     }
33     @Test(groups= {"RegressionTest"})
34     public void Test2() throws Exception {
35         WebDriverManager.chromedriver().setup();
36         WebDriver driver;
37         ChromeOptions co = new ChromeOptions();
38         co.addArguments("--remote-allow-origins=");
39         driver=new ChromeDriver(co);
40         driver.get("https://www.godaddy.com/en-in");
41         driver.manage().window().maximize();
42         Thread.sleep(3000);
43     }
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.v20220903-1038\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