

## INDEX.HTML

Code: package testing;

```
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.NoSuchElementException;
```

```
public class demo {

    public static void main(String[] args) {

        // Set the path to the chromedriver
        executable

        System.setProperty("webdriver.chrome.driver", "D:\\OneDrive\\Desktop\\MIT\\6th
        sem\\DevOps\\DevOps\\chromedriver-
        win64\\chromedriver-
        win64\\chromedriver.exe");

        // Create an instance of
        ChromeDriver (launch the Chrome browser)

        WebDriver driver = new
        ChromeDriver();

        try {

            // Navigate to the website

            driver.get("https://www.shriganesh-
            enterprises.com/");

            System.out.println("Website Loaded: "
            + driver.getTitle());
```

// Test Case 1: Verify social media links

```
String[] platforms = {"twitter",
"facebook", "instagram"};

for (String platform : platforms) {

    try {

        WebElement socialMediaLink =
        driver.findElement(By.xpath("//a[contains(@h
        ref, '"' + platform + ".com')]"));

        String href =
        socialMediaLink.getAttribute("href");

        System.out.println("Social Media
        Link for " + platform + ": " + href);
```

// Verify the link works by clicking
and checking URL (Optional)

```
socialMediaLink.click();

Thread.sleep(2000); // Wait for the
page to load

String currentUrl =
driver.getCurrentUrl();

System.out.println(platform + "
Link Test: " + (currentUrl.contains(platform) ?
"Passed" : "Failed"));

driver.navigate().back(); // Navigate
back to the main page

    } catch (NoSuchElementException e) {

        System.out.println(platform + "
        Link Test: Failed - Element not found");

    }

}
```

// Test Case 2: Verify Google Map is
displayed

```
try {
```

```

        WebElement map =
driver.findElement(By.tagName("iframe"));

        boolean isMapDisplayed =
map.isDisplayed();

        System.out.println("Map Display
Test: " + (isMapDisplayed ? "Passed" :
"Failed"));

        // Optionally validate the source URL
of the map iframe

        String mapSource =
map.getAttribute("src");

        System.out.println("Map Source: " +
mapSource);

        System.out.println("Map Source Test:
" + (mapSource.contains("google.com/maps")
? "Valid" : "Invalid"));

        } catch (NoSuchElementException e) {

            System.out.println("Map Display
Test: Failed - Element not found");

        }

        } catch (Exception e) {

            System.out.println("An unexpected
error occurred: " + e.getMessage());

        } finally {

            // Close the browser

            driver.quit();

            System.out.println("Testing Completed.
Browser closed.");

        }

    }

}

```

The screenshot shows an IDE with a Java file named `TestMapDisplay.java`. The code implements a Selenium WebDriver test to check if a map is displayed and its source URL. The test uses `WebDriver` to open a browser, find an `iframe` element, and validate its `src` attribute. The test results are printed to the console.

```

1 // Import statements
2
3 // WebDriver setup
4 WebDriver driver = new ChromeDriver();
5 driver.manage().window().maximize();
6
7 // Open the browser
8 driver.get("https://www.google.com/maps");
9
10 // Wait for the map to load
11 WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));
12
13 // Find the map iframe
14 WebElement mapIframe = driver.findElement(By.tagName("iframe"));
15
16 // Check if the map is displayed
17 boolean isMapDisplayed = mapIframe.isDisplayed();
18
19 // Print the result
20 System.out.println("Map Display Test: " + (isMapDisplayed ? "Passed" : "Failed"));
21
22 // Optionally validate the source URL
23 String mapSource = mapIframe.getAttribute("src");
24 System.out.println("Map Source: " + mapSource);
25
26 // Check if the source URL contains "google.com/maps"
27 boolean isValid = mapSource.contains("google.com/maps");
28 System.out.println("Map Source Test: " + (isValid ? "Valid" : "Invalid"));
29
30 // Close the browser
31 driver.quit();
32
33 // Print the final result
34 System.out.println("Testing Completed. Browser closed.");

```

The terminal window shows the following output:

```

Map Display Test: Passed
Map Source: https://www.google.com/maps/embed?hl=en&gl=us&map_data=!3m1!1e3!3m1!1s40.7608266!1s-87.6295964!1s41.8818323!1s3
Testing Completed. Browser closed.

```