

1. (Alias 6)

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

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;


public class DummyLoginTest {

    public static void main(String[] args) {

        // Set the path to chromedriver (if not using driver manager)

        System.setProperty("webdriver.chrome.driver", "C:\\webdriver\\chromedriver.exe");


        WebDriver driver = new ChromeDriver();


        try {

            // Open dummy login page

            driver.get("https://the-internet.herokuapp.com/login");


            // Locate form fields

            WebElement username = driver.findElement(By.id("username"));

            WebElement password = driver.findElement(By.id("password"));

            WebElement loginButton = driver.findElement(By.cssSelector("button.radius"));


            // Fill in credentials

            username.sendKeys("tomsmith");

            password.sendKeys("SuperSecretPassword!");
```

```

        loginButton.click();

        // Wait briefly to let the result page load
        Thread.sleep(2000);

        // Output success message
        String successMsg = driver.findElement(By.id("flash")).getText();
        System.out.println("Login Result: " + successMsg.trim());

    } catch (Exception e) {
        e.printStackTrace();
    } finally {
        driver.quit();
    }
}
}

```

2. (Alias 7)

```

import java.io.File;

public class DesktopItemCounter {

    public static void main(String[] args) {

        // Get the path to the current user's Desktop
        String desktopPath = System.getProperty("user.home") + "\\Desktop";

        // Create a File object for the Desktop directory
    }
}

```

```

File desktopFolder = new File(desktopPath)

if (desktopFolder.exists() && desktopFolder.isDirectory()) {

    // List all files and folders on the Desktop

    File[] items = desktopFolder.listFiles();

    if (items != null) {

        System.out.println("Number of items on Desktop: " + items.length);

        // Optional: Print names of items

        for (File item : items) {

            System.out.println("- " + item.getName());

        }

    } else {

        System.out.println("Could not read contents of Desktop.");

    }

} else {

    System.out.println("Desktop folder not found at: " + desktopPath);

}

}

}

```

3. (Alias 8)

```

import org.apache.poi.ss.usermodel.*;

import org.apache.poi.xssf.usermodel.XSSFWorkbook;

import org.openqa.selenium.By;

```

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

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;


import java.io.*;

import java.util.List;

import java.util.concurrent.TimeUnit;


public class StudentFormAutomation {

    public static void main(String[] args) throws IOException {

        // Set path to your ChromeDriver

        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");


        // 1. Launch browser

        WebDriver driver = new ChromeDriver();

        driver.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);


        // 2. Open the form webpage (replace with your actual URL)

        driver.get("https://your-form-url.com");


        // 3. Student data

        Object[][] students = {

            {101, "Anika Sharma", 20, "Computer Science", "A"},

            {102, "Ravi Kumar", 21, "Electronics", "B"},

            {103, "Sneha Reddy", 19, "Information Technology", "A+"},

        }
```

```
        {104, "Mohit Verma", 22, "Mechanical", "B+"},  
        {105, "Priya Das", 20, "Civil", "A"},  
        {106, "Aditya Roy", 21, "Electrical", "B"}  
    };
```

// 4. Excel file setup

```
String fileName = "student_records.xlsx";  
Workbook workbook;  
Sheet sheet;  
File file = new File(fileName);  
  
if (file.exists()) {  
    FileInputStream fis = new FileInputStream(file);  
    workbook = new XSSFWorkbook(fis);  
    fis.close();  
    sheet = workbook.getSheet("Students");  
    if (sheet == null) {  
        sheet = workbook.createSheet("Students");  
        writeHeader(sheet);  
    }  
} else {  
    workbook = new XSSFWorkbook();  
    sheet = workbook.createSheet("Students");  
    writeHeader(sheet);  
}
```

```

int rowCount = sheet.getLastRowNum();

// 5. Loop through each student, submit form, and log to Excel
for (Object[] student : students) {
    // Fill form fields (update selectors according to your form)
    driver.findElement(By.id("roll")).sendKeys(student[0].toString());
    driver.findElement(By.id("name")).sendKeys((String) student[1]);
    driver.findElement(By.id("age")).sendKeys(student[2].toString());
    driver.findElement(By.id("department")).sendKeys((String) student[3]);
    driver.findElement(By.id("grade")).sendKeys((String) student[4]);

    // Submit form
    driver.findElement(By.id("submit")).click();

    // Log in Excel
    Row row = sheet.createRow(++rowCount);
    for (int i = 0; i < student.length; i++) {
        Cell cell = row.createCell(i);
        if (student[i] instanceof String) {
            cell.setCellValue((String) student[i]);
        } else if (student[i] instanceof Integer) {
            cell.setCellValue((Integer) student[i]);
        }
    }
}

```

```
// Optional: wait or reset for next submission  
driver.navigate().refresh(); // if the form reloads  
}
```

```
// 6. Save Excel
```

```
FileOutputStream fos = new FileOutputStream(fileName);  
workbook.write(fos);  
workbook.close();  
fos.close();
```

```
// 7. Close browser
```

```
driver.quit();
```

```
System.out.println("Student data submitted via Selenium and logged into Excel.");  
}
```

```
private static void writeHeader(Sheet sheet) {  
    Row header = sheet.createRow(0);  
    String[] headers = {"Roll No", "Name", "Age", "Department", "Grade"};  
    for (int i = 0; i < headers.length; i++) {  
        header.createCell(i).setCellValue(headers[i]);  
    }  
}  
}  
}
```

```

<dependencies>

  <!-- Apache POI -->

  <dependency>

    <groupId>org.apache.poi</groupId>

    <artifactId>poi-ooxml</artifactId>

    <version>5.2.3</version>

  </dependency>

  <!-- Selenium -->

  <dependency>

    <groupId>org.seleniumhq.selenium</groupId>

    <artifactId>selenium-java</artifactId>

    <version>4.19.1</version>

  </dependency>

</dependencies>

```

4.(Alias 9)

```

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.List;

public class CountAllElements {

```



```

public static void main(String[] args) {

    // Set path to chromedriver.exe

    System.setProperty("webdriver.chrome.driver", "C:\\webdriver\\chromedriver.exe");

    WebDriver driver = new ChromeDriver();

    try {

        // Open the web page (change the URL as needed)

        driver.get("https://example.com");

        // Maximize the browser window

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

        // Find all elements using universal CSS selector

        List<WebElement> allElements = driver.findElements(By.cssSelector("*"));

        // Print total number of elements

        System.out.println("Total number of elements on the page: " + allElements.size());

        // Optional: print tag names of the elements

        for (WebElement element : allElements) {

            System.out.println(" - <" + element.tagName() + ">");

        }

    } catch (Exception e) {

        e.printStackTrace();

    } finally {

        // Close the browser

        driver.quit();

    }

}

}

```

5. (Alias 10)

```
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.support.ui.Select;

import java.util.List;

public class ComboWebDriver {

    public static void main(String[] args) {

        // Set path to chromedriver.exe (adjust if needed)

        System.setProperty("webdriver.chrome.driver", "C:\\webdriver\\chromedriver.exe");

        WebDriver driver = new ChromeDriver();

        try {

            // Open local HTML file (use triple forward slashes for file path)

            driver.get("file:///C:/combo.html");

            // Optional: maximize window

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

            // Locate the <select> dropdown

            WebElement dropdown = driver.findElement(By.tagName("select"));

            // Wrap the <select> element with Select class

            Select select = new Select(dropdown);

            // Get all option elements

            List<WebElement> options = select.getOptions();
```

```

        // Print total number of options

        System.out.println("The number of options in the combo box is: " + options.size());

        // Print each option's visible text

        for (WebElement option : options) {

            System.out.println(" - " + option.getText());

        }

    } catch (Exception e) {

        e.printStackTrace();

    } finally {

        // Close the browser

        driver.quit();

    }

}

}

```

```

<!DOCTYPE html>

<html>

<head>

    <title>Combo Box Test</title>

</head>

<body>

    <h2>Select your option:</h2>

    <select id="myDropdown">

        <option value="1">Option One</option>

```

<option value="2">Option Two</option>

<option value="3">Option Three</option>

</select>

</body>

</html>