

## Task 1: Login Button Click

**URL:** <https://opensource-demo.orangehrmlive.com/>

### Steps:

1. Open Chrome browser.
2. Enter username/password.
3. Click the login button.
4. Verify page title.

### Code:

```
import org.openqa.selenium.*;
import org.openqa.selenium.chrome.ChromeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;

public class Task1_LoginButton {
    public static void main(String[] args) {
        WebDriverManager.chromedriver().setup();
        WebDriver driver = new ChromeDriver();

        driver.get("https://opensource-demo.orangehrmlive.com/");
        driver.findElement(By.id("txtUsername")).sendKeys("Admin");
        driver.findElement(By.id("txtPassword")).sendKeys("admin123");
        driver.findElement(By.id("btnLogin")).click();

        // Validation
        if (driver.getTitle().equals("OrangeHRM")) {
            System.out.println("Login Successful");
        } else {
            System.out.println("Login Failed");
        }
        driver.quit();
    }
}
```

---

## Task 2: Search Button

**URL:** <https://www.google.com>

### Code:

```
driver.get("https://www.google.com");
WebElement searchBox = driver.findElement(By.name("q"));
searchBox.sendKeys("Selenium WebDriver");
searchBox.submit(); // No need to click search button
```

☐ Here, `.submit()` works because the element is inside a form.

---

### Task 3: Basic Text Field Entry

**URL:** [https://www.w3schools.com/html/html\\_forms.asp](https://www.w3schools.com/html/html_forms.asp)

```
driver.get("https://www.w3schools.com/html/html_forms.asp");
driver.findElement(By.id("fname")).sendKeys("John");
driver.findElement(By.id("lname")).sendKeys("Doe");
driver.findElement(By.cssSelector("input[type='submit']")).click();
```

---

### Task 4: Clear & Enter New Value

```
WebElement firstName = driver.findElement(By.id("fname"));
firstName.clear();
firstName.sendKeys("Jane");
```

---

### Task 5: Select a Single Checkbox

**URL:** <https://itera-qa.azurewebsites.net/home/automation>

```
driver.get("https://itera-qa.azurewebsites.net/home/automation");
WebElement monday = driver.findElement(By.id("monday"));
if (!monday.isSelected()) {
    monday.click();
}
```

---

### Task 6: Select Multiple Checkboxes

```
String[] days = {"monday", "wednesday", "friday"};
for (String day : days) {
    WebElement checkbox = driver.findElement(By.id(day));
    if (!checkbox.isSelected()) {
        checkbox.click();
    }
}
```

---

## Task 7: Select All Checkboxes

```
List<WebElement> checkboxes =
driver.findElements(By.xpath("//input[@type='checkbox' and
contains(@id,'day')]"));
for (WebElement cb : checkboxes) {
    if (!cb.isSelected()) {
        cb.click();
    }
}
System.out.println("Total selected: " + checkboxes.size());
```

---

## Task 8: Select a Radio Option

```
driver.findElement(By.id("female")).click();
```

---

## Task 9: Switch Radio Option

```
WebElement male = driver.findElement(By.id("male"));
WebElement female = driver.findElement(By.id("female"));
male.click();
Thread.sleep(500); // for visibility
female.click();
```

---

## Task 10: Select by Visible Text

**URL:** <https://www.globalsqa.com/demo-site/select-dropdown-menu/>

```
import org.openqa.selenium.support.ui.Select;

Select country = new Select(driver.findElement(By.tagName("select")));
country.selectByVisibleText("India");
```

---

## Task 11: Select by Index & Value

```
country.selectByIndex(5);
country.selectByValue("USA");
```

---

## Task 12: Print All Dropdown Options

```
List<WebElement> allOptions = country.getOptions();
for (WebElement option : allOptions) {
    System.out.println(option.getText());
}
```

---

## Task 13: Form Fill & Submit

**URL:** <https://www.techlistic.com/p/selenium-practice-form.html>

```
driver.findElement(By.name("firstname")).sendKeys("John");
driver.findElement(By.name("lastname")).sendKeys("Smith");
driver.findElement(By.id("sex-0")).click(); // Male
driver.findElement(By.id("exp-3")).click(); // 4 years exp
driver.findElement(By.id("profession-1")).click(); // Automation Tester
Select continent = new Select(driver.findElement(By.id("continents")));
continent.selectByVisibleText("Europe");
driver.findElement(By.id("submit")).click();
```

---

## Task 14: Multi-Select Dropdown

**URL:** <https://demoqa.com/select-menu>

```
Select multiSelect = new Select(driver.findElement(By.id("cars")));
if (multiSelect.isMultiple()) {
    multiSelect.selectByVisibleText("Volvo");
    multiSelect.selectByVisibleText("Audi");
}

List<WebElement> selected = multiSelect.getAllSelectedOptions();
for (WebElement option : selected) {
    System.out.println(option.getText());
}
```