LAB: 8

Objective:

Write a program to count the number of check boxes on the page: checked and unchecked count.

Requirements:

1. Windows PC (Windows 7/8/10) / Mac
2. JDK 15
3. Eclipse IDE
4. Selenium jar file

Code:

```java
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;

public class CountCheckedUncheckedCheckBoxes {

    static String driverType = "webdriver.chrome.driver";
    static String driverLoc = "Resources\\chromedriver_new.exe";
    static String baseURL = "http://uitestpractice.com/Students/Form";

    public static void main(String[] args) throws InterruptedException {
        System.setProperty(driverType, driverLoc);
        WebDriver driver = new ChromeDriver();
        driver.get(baseURL);


        driver.findElement(By.xpath("//input[@value='dance']")).click();
        driver.findElement(By.xpath("//input[@value='cricket']")).click();
        List <WebElement> webElements =
driver.findElements(By.xpath("//input[@type='checkbox']"));
        int checkedCount = 0;
        int uncheckedCount = 0;
```
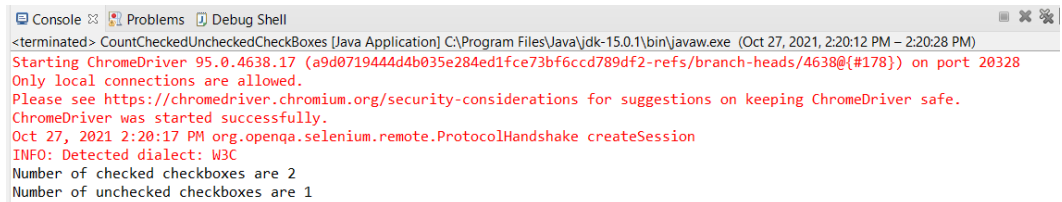
```
        for (int i=0;i < webElements.size();i++){
            if ( webElements.get(i).isSelected() == true) {
                checkedCount++;
            }else {
                uncheckedCount++;
            }
        }
        System.out.println("Number of checked checkboxes are " +checkedCount);
        System.out.println("Number of unchecked checkboxes are " +
uncheckedCount);
        driver.quit();
    }
}
```

Output:

Console ⊠   Problems   Debug Shell
<terminated> CountCheckedUncheckedCheckBoxes [Java Application] C:\Program Files\Java\jdk-15.0.1\bin\javaw.exe (Oct 27, 2021, 2:20:12 PM – 2:20:28 PM)
Starting ChromeDriver 95.0.4638.17 (a9d0719444d4b035e284ed1fce73bf6ccd789df2-refs/branch-heads/4638@{#178}) on port 20328
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Oct 27, 2021 2:20:17 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Number of checked checkboxes are 2
Number of unchecked checkboxes are 1