PRACTICAL NO 07

AIM: Write and test a program to select one / many check boxes on the page.

Solution:

❖ Follow the following steps:

1. Go to Eclipse –> Click File –> New –> Project (from various options need to select just "project")
2. In Select Wizard –> Click Java –> "Java Project"
3. Give the project name (e.g. checkbox)
4. Click Finish – Click Yes
5. Right Click "checkbox" package
6. Click "Java Build Path"
7. Click Libraries tab
8. Click "Add External JARs" button
9. Add two external jar files: selenium-java-client-driver-1.0.2 & selenium-server-standalone-3.1.0
10. Click OK
11. Create a new class file as "CountCheckbox" by right click on src folder.

package CountCheckBox;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

public class CheckBoxCnt {

public static void main(String[] args) {

// **TODO** Auto-generated method stub

System.*setProperty*("webdriver.gecko.driver","C:\\Users\\rhucha1\\NewWS\\geckodriver.exe");

FirefoxDriver driver=**new** FirefoxDriver();

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

driver.get("https://www.spotify.com/us/signup");

List<WebElement> elements=driver.findElements(By.*xpath*("//Input[@type='checkbox']"));

Rhucha ---- >>>> STQA

```java
int checkedCount=0;

int uncheckedCount=0;

for(int i=0;i<elements.size();i++)

{

if(elements.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);

}

}
```
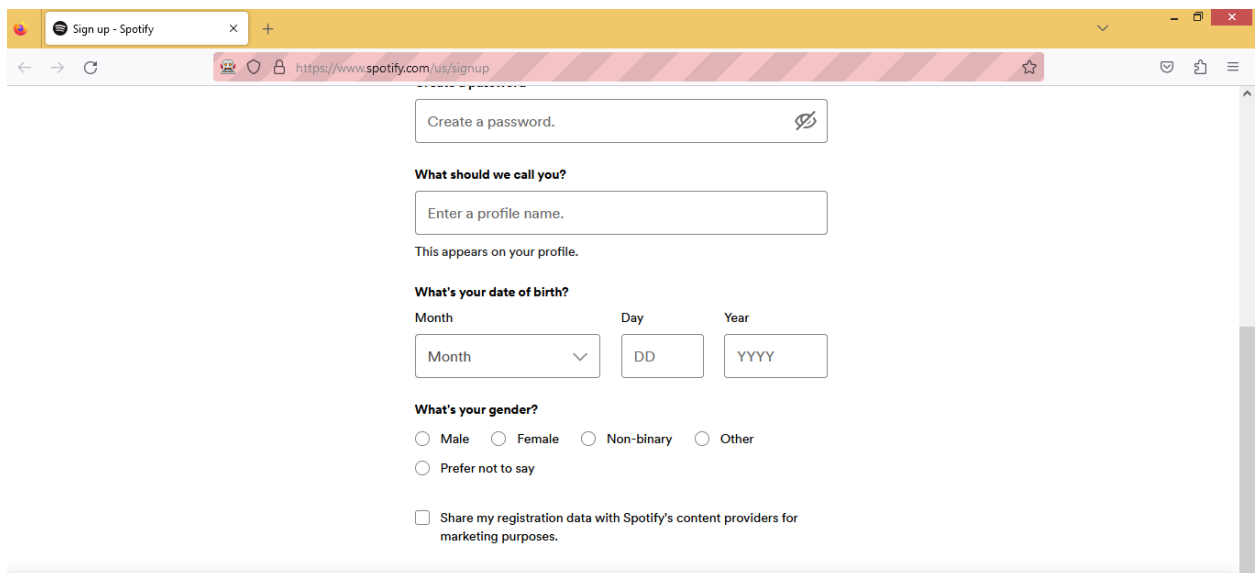
Ouput:
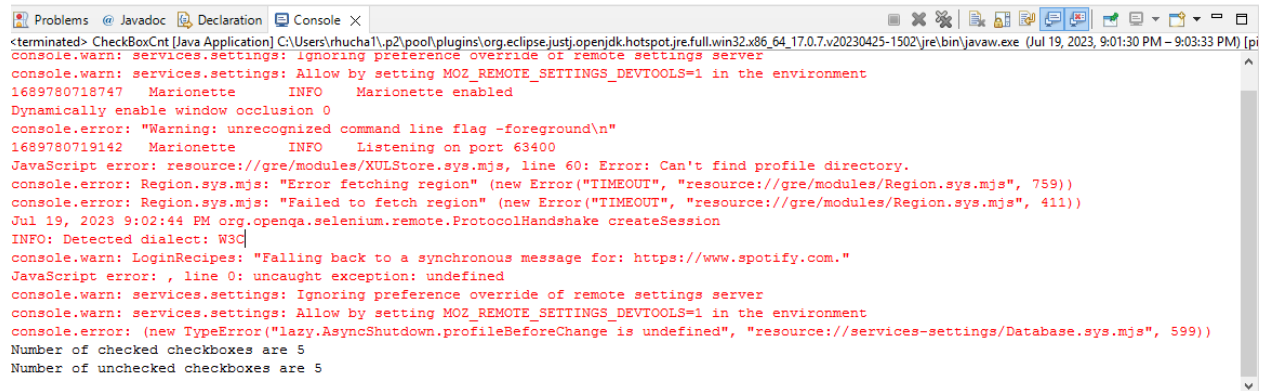
Rhucha ---- >>>> STQA

```
<terminated> CheckBoxCnt [Java Application] C:\Users\rhucha1\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (Jul 19, 2023, 9:01:30 PM – 9:03:33 PM) [pi
console.warn: services.settings: Ignoring preference override of remote settings server
console.warn: services.settings: Allow by setting MOZ_REMOTE_SETTINGS_DEVTOOLS=1 in the environment
1689780718747    Marionette       INFO    Marionette enabled
Dynamically enable window occlusion 0
console.error: "Warning: unrecognized command line flag -foreground\n"
1689780719142    Marionette       INFO    Listening on port 63400
JavaScript error: resource://gre/modules/XULStore.sys.mjs, line 60: Error: Can't find profile directory.
console.error: Region.sys.mjs: "Error fetching region" (new Error("TIMEOUT", "resource://gre/modules/Region.sys.mjs", 759))
console.error: Region.sys.mjs: "Failed to fetch region" (new Error("TIMEOUT", "resource://gre/modules/Region.sys.mjs", 411))
Jul 19, 2023 9:02:44 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
console.warn: LoginRecipes: "Falling back to a synchronous message for: https://www.spotify.com."
JavaScript error: , line 0: uncaught exception: undefined
console.warn: services.settings: Ignoring preference override of remote settings server
console.warn: services.settings: Allow by setting MOZ_REMOTE_SETTINGS_DEVTOOLS=1 in the environment
console.error: (new TypeError("lazy.AsyncShutdown.profileBeforeChange is undefined", "resource://services-settings/Database.sys.mjs", 599))
Number of checked checkboxes are 5
Number of unchecked checkboxes are 5
```