

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']"));
```

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```
int checkedCount=0;

int uncheckedCount=0;

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

{

if(elements.get(i).isSelected()==true)

checkedCount++;

else

uncheckedCount++;

}

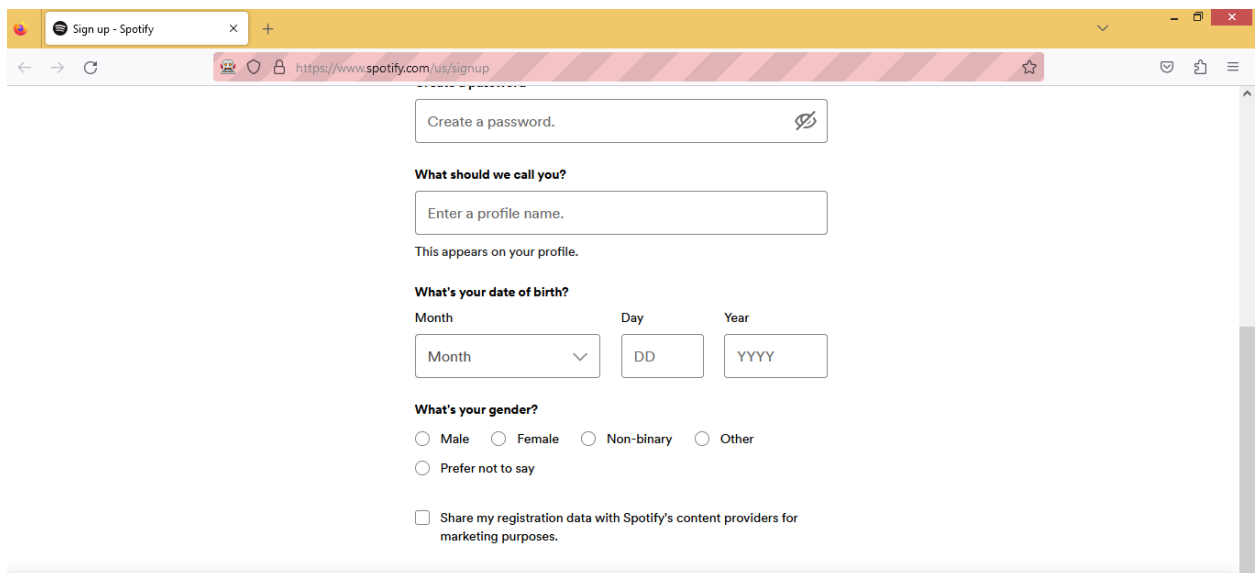
System.out.println("Number of checked checkboxes are "+checkedCount);

System.out.println("Number of unchecked checkboxes are "+uncheckedCount);

}

}
```

Ouput:

A screenshot of a web browser showing the Spotify sign-up page. The browser's address bar displays "https://www.spotify.com/us/signup". The page has a clean, white background with a light gray border. The sign-up form consists of several sections: a password creation field with a strength indicator, a profile name field, a date of birth section with dropdowns for month, day, and year, and a gender selection section with radio buttons for Male, Female, Non-binary, and Other. At the bottom, there is a checkbox for sharing registration data with Spotify's content providers for marketing purposes. The browser's tab shows "Sign up - Spotify".

Sign up - Spotify

https://www.spotify.com/us/signup

Create a password.

What should we call you?

Enter a profile name.

This appears on your profile.

What's your date of birth?

Month Day Year

Month DD YYYY

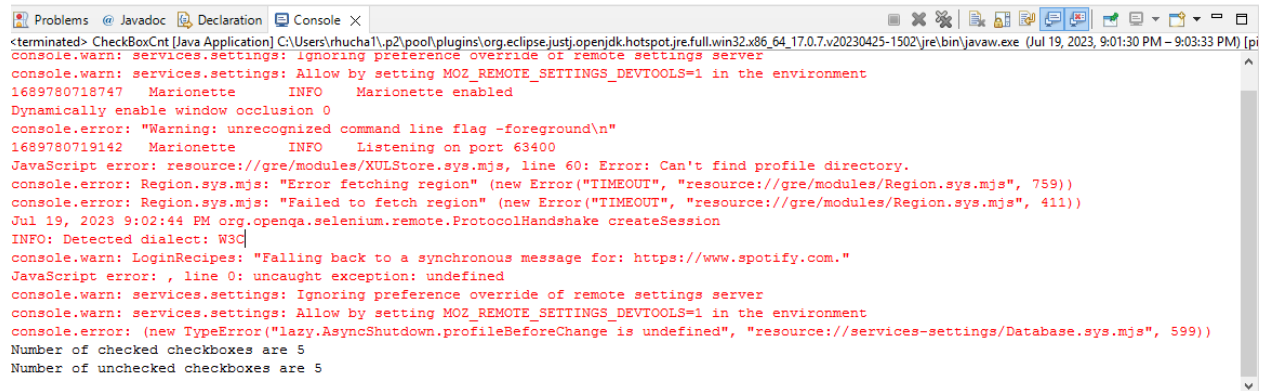
What's your gender?

☐ Male ☐ Female ☐ Non-binary ☐ Other

☐ Prefer not to say

☐ Share my registration data with Spotify's content providers for marketing purposes.

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```
<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) [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
```