

Practical No.8

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

Code:

```
package prac8;

import org.openqa.selenium.By;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxProfile;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.firefox.ProfilesIni;
import org.openqa.selenium.remote.DesiredCapabilities;
import org.openqa.selenium.support.ui.Select;

public class Prac8 {

    public static void main(String[] args) {

        System.setProperty("webdriver.gecko.driver", "C://IDE//geckodriver-v0.21.0-win64//geckodriver.exe");

        WebDriver driver=new FirefoxDriver();

        driver.get("C:\\IDE\\second.html");

        java.util.List<WebElement> optioncount =
            driver.findElements(By.xpath("//input[@type='checkbox']"));

        System.out.println("total items:"+optioncount.size());

        for(int i=0;i<optioncount.size();i=i+2) {

            optioncount.get(i).click();

        }

    }

}
```

```
int checkedcount=0,uncheckedcount=0;

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

System.out.println(i+" checkbox is selected:" + optioncount.get(i).isSelected());

if(optioncount.get(i).isSelected()) {

checkedcount++;

}

else {

uncheckedcount++;

}

}

System.out.println("Total number of selected checkbox:"+checkedcount);

System.out.println("Total number of unselected checkbox:"+uncheckedcount);

}

}
```

Second.html

```
<html>

<body>

<form>

<input type="checkbox">SSC<br/>

<input type="checkbox">HSC<br/>

<input type="checkbox">BSC CS<br/>

<input type="checkbox">BSC IT<br/>

<input type="checkbox">B COM<br/>

</form>

</body>

</html>
```

Output:

```
0 checkbox is selected:true  
1 checkbox is selected:false  
2 checkbox is selected:true  
3 checkbox is selected:false  
4 checkbox is selected:true  
Total number of selected checkbox:3  
Total number of unselected checkbox:2
```