

PRACTICAL 12

AIM: Write and test a program to count the no. of checkboxes on the page checked and unchecked count.

PSEUDOCODE:

1. Start Program
2. Initialize WebDriver to open Edge browser.
3. Navigate to URL: <https://getbootstrap.com/docs/5.3/components/button-group/#checkbox-and-radio-button-groups>.
4. Find Checkboxes using XPath `//input[@type='checkbox']`.
 - Initialize counters checkedCount and uncheckedCount.
 - Loop through checkboxes:
 - If selected, increment checkedCount; else, increment uncheckedCount.
5. Print checkbox stats: Total, Checked, Unchecked.
6. Find Radio Buttons using XPath `//input[@type='radio']`.
7. Print total radio buttons count.
8. Find Labels using tag name label.
9. Print total labels count.
10. Print label texts for each label.
11. End Program.

CODE:

countLink.java

```
package p12_9142;

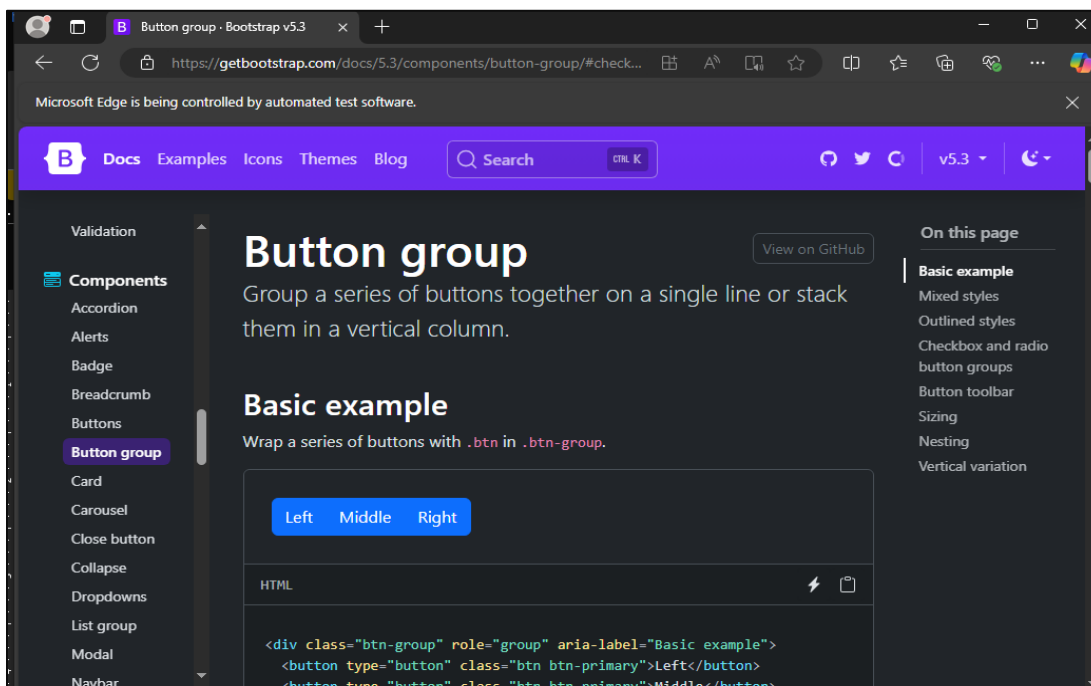
import java.util.List;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;

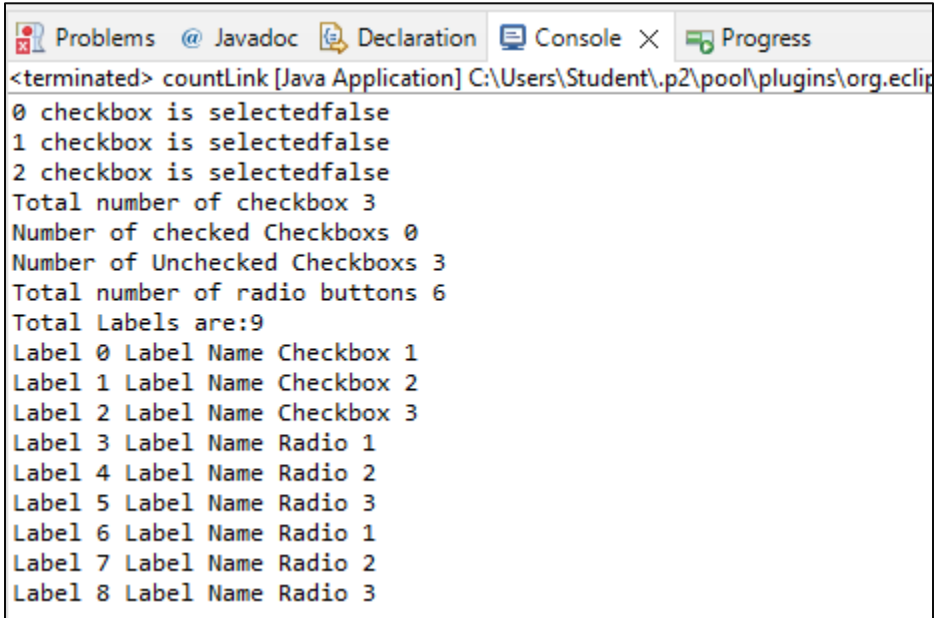
public class countLink {
    public static void main(String args[])
    {
        //System.setProperty("webdriver.edge.driver", "D:\\STQA\\msedgedriver.exe");
        WebDriver driver = new EdgeDriver();
```

```
driver.get("https://getbootstrap.com/docs/5.3/components/button-group/#checkbox-and-radio-button-groups");
```

```
List<WebElement> checkbox =  
    driver.findElements(By.xpath("//input[@type='checkbox']"));  
int checkedcount = 0;  
int unchecked = 0;  
for (int i = 0; i < checkbox.size(); i++) {  
    System.out.println(i+" checkbox is selected" + checkbox.get(i).isSelected());  
    if (checkbox.get(i).isSelected() == true) {  
        checkedcount++;  
    } else {  
        unchecked++;  
    }  
}  
  
System.out.println("Total number of checkbox " + checkbox.size());  
System.out.println("Number of checked Checkboxes " + checkedcount);  
System.out.println("Number of Unchecked Checkboxes " + unchecked);  
List<WebElement> radiobutton=  
    driver.findElements(By.xpath("//input[@type='radio']"));  
System.out.println("Total number of radio buttons " + radiobutton.size());  
List<WebElement> labels = driver.findElements(By.tagName("label"));  
  
System.out.println("Total Labels are:" + labels.size());  
for (int i=0; i<labels.size(); i=i+1){  
    System.out.println("Label "+ i + " Label Name " +labels.get(i).getText());  
}  
}
```

OUTPUT:





```
<terminated> countLink [Java Application] C:\Users\Student\p2\pool\plugins\org.eclip
0 checkbox is selectedfalse
1 checkbox is selectedfalse
2 checkbox is selectedfalse
Total number of checkbox 3
Number of checked Checkboxes 0
Number of Unchecked Checkboxes 3
Total number of radio buttons 6
Total Labels are:9
Label 0 Label Name Checkbox 1
Label 1 Label Name Checkbox 2
Label 2 Label Name Checkbox 3
Label 3 Label Name Radio 1
Label 4 Label Name Radio 2
Label 5 Label Name Radio 3
Label 6 Label Name Radio 1
Label 7 Label Name Radio 2
Label 8 Label Name Radio 3
```