**Aim: Write a program using Selenium WebDriver to count the number of checkboxes on a web page, including checked and unchecked counts.**

**Requirements: Selenium jar files, geckodriver.exe**

**Code: CheckBoxCount.java**

package checkboxcount;

import org.openqa.selenium.By;

import org.openqa.selenium.Platform;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.remote.DesiredCapabilities;

public class CheckboxCount {

public static void main(String[] args) {

System.setProperty("webdriver.gecko.driver","D:\\selenium\\geckodriver.exe");

DesiredCapabilities capabilities = new DesiredCapabilities();

capabilities = DesiredCapabilities.firefox();

capabilities.setBrowserName("firefox");

capabilities.setVersion("38.0.5");

capabilities.setPlatform(Platform.WINDOWS);

capabilities.setCapability("qmarionette", false);

WebDriver driver=new FirefoxDriver (capabilities);

driver.get("http://browsershots.org/");

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

System.out.println("Count of Check boxes "+c.size());

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

System.out.println("Count of Check boxes Checked "+d.size());

java.util.List<WebElement> e = driver.findElements(By.xpath("//input[@type='checkbox' and not(@checked)]"));

System.out.println("Count of Check boxes Not Checked "+e.size());

}

}

**Output:**



