Practical-4

Aim: Write a program using Selenium WebDriver to automate the login process on a specific web page. Verify successful login with appropriate assertions.

Steps:
1) Create a Login.html & User.php file and save it in C:\xampp\htdocs\stpracts
2) Open Netbeans 8.1 > Create Project on Java Application naming it as Login > Add selenium jar files in the library > Type the Code > give proper path to geckodriver
3) Connect the Xampp server > Open Firefox type http://localhost:8080/stpracts/ .It will display a web page > Click on Login.html > Copy the URL (http://localhost:8080/stpracts/Login.html)
4) Paste the URL in the Java Code & RUn the Program

Login.html
```
<html>
<head>
<title> Login Page </title>
</head>
<body>
<form id= "login" action = "http://localhost:8080//User.php" method="post" accept-charset='UTF-8'>
User Name*:
<input type= "text" name = "username" id="username" maxlength="50"/>
Password*:
<input type= "password" name = "password" id="password" maxlength="50"/>
<input type = 'submit' name= "button" value="submit"/>
</form>
</body>
</html>
```

User.php
```
<?php
$u=$_POST['username'];
$p=$_POST['password'];
if(($u == "test") && ($p == "test"))
{
 echo "Login Successful";
}
 else
{
 echo "invalid user";
}
```

Login.java (In Netbeans)

```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("marionette", 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());

  }
}
```
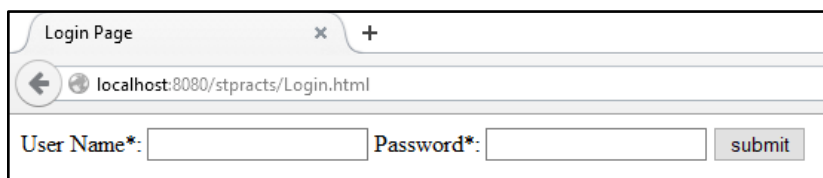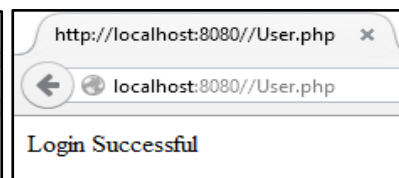
Login Page × +				http://localhost:8080//User.php ×
← localhost:8080/stpracts/Login.html				← localhost:8080//User.php
User Name*: [_____]	Password*: [_____]		submit	Login Successful