

Repo link: <https://github.com/hindujar/Phase2practiceproject4.git>

Browser Automation Testing with Selenium with JUnit.

Aim:

To do Browser Automation Testing with Selenium with JUnit.

Description:

TO perform browser testing for facebook authentication and google search engine using JUnit and selenium

A popular tool for automating web browsers.

Selenium allows to script browser interactions and test web applications.

Source code:

```
package com.app.Junit.Lesson4project;

import org.junit.jupiter.api.AfterAll;
import org.junit.jupiter.api.BeforeAll;
import org.junit.jupiter.api.DisplayName;
import org.junit.jupiter.api.Test;
import org.junit.jupiter.api.TestInstance;
import org.junit.jupiter.params.ParameterizedTest;
import org.junit.jupiter.params.provider.CsvSource;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
```

```
@TestInstance(TestInstance.Lifecycle.PER_CLASS)
```

```
public class Lesson4Project {
```

```
    // Create your own annotation and use
```

```
    // Add displayname annotation
```

```
    // repeat the test case 3 times
```

```
    // Make it a parameterized test using csvsource
```

```
    WebDriver driver;
```

```
    @BeforeAll
```

```
    public void startbrowser()
```

```
    {
```

```
        driver = new ChromeDriver();
```

```
        driver.manage().window().maximize();
```

```
        driver.get("https://www.facebook.com/");
```

```
    }
```

```
    public void Testmethod(String username, String pwd)
```

```
    {
```

```
        driver.findElement(By.cssSelector("input#email")).sendKeys(username);
```

```
        driver.findElement(By.cssSelector("input[name='pass']")).sendKeys(pwd);
```

```
}
```

```
@AfterAll
```

```
public void closebrowser()
```

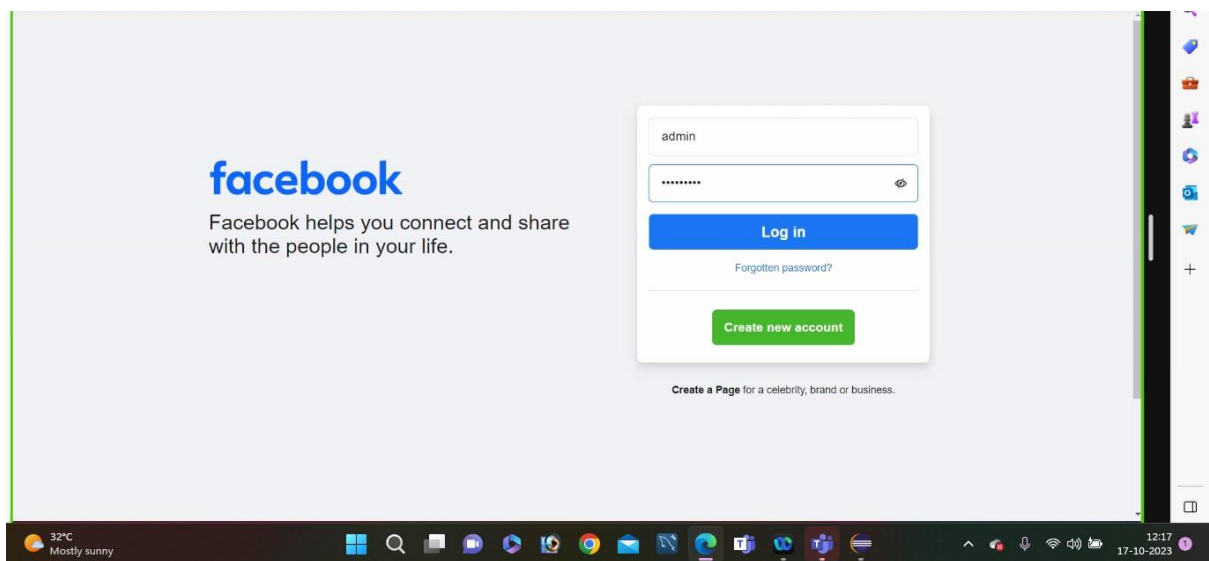
```
{
```

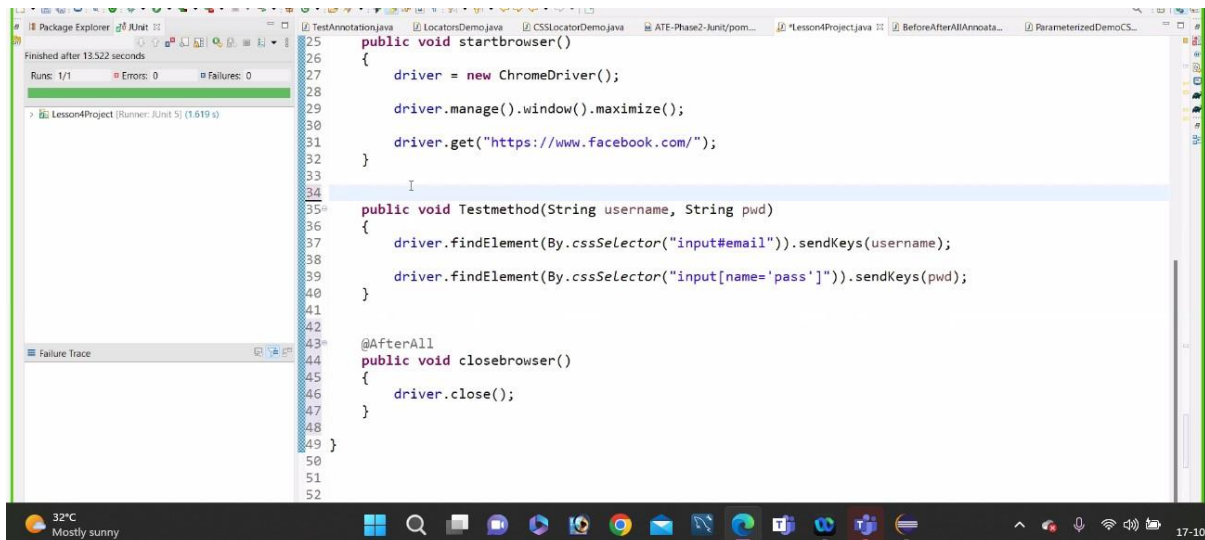
```
    driver.close();
```

```
}
```

```
}
```

Screen shot:





Source code for Google Search Engine

```
import org.junit.After;  
import org.junit.Before;  
import org.junit.Test;  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class GoogleSearchTest {  
    private WebDriver driver;  
  
    @Before  
    public void setUp() {  
        System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");  
        driver = new ChromeDriver();  
    }  
}
```

```
@Test  
public void testGoogleSearch() {  
    driver.get("https://www.google.com");  
  
    WebElement searchBox = driver.findElement(By.name("q"));  
    searchBox.sendKeys("your_search_query");  
    searchBox.submit();  
  
    // Add assertions to check if search results are displayed  
    // For example, you can check for result elements on the page.  
}
```

@After

```
public void tearDown() {  
    driver.quit();  
}  
}
```

Screen shot:

