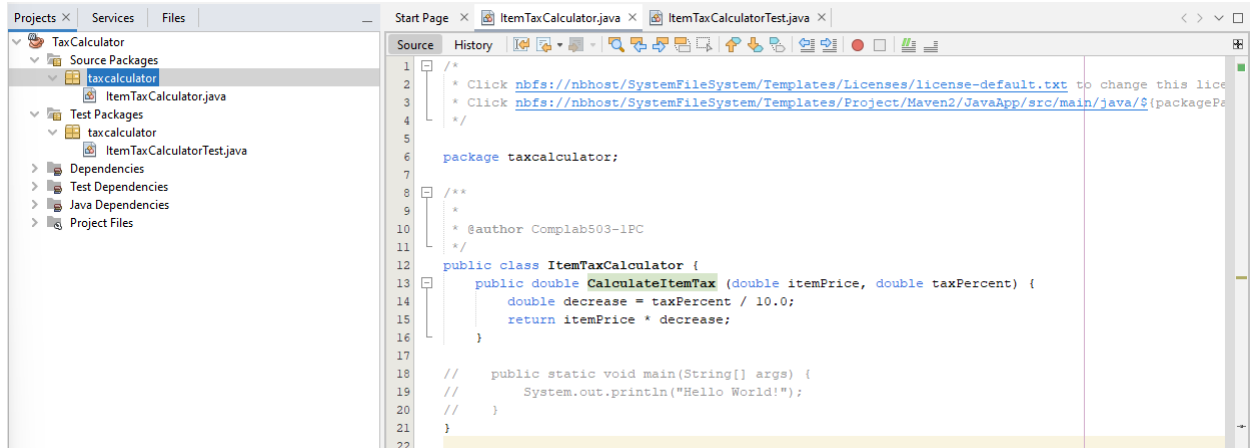


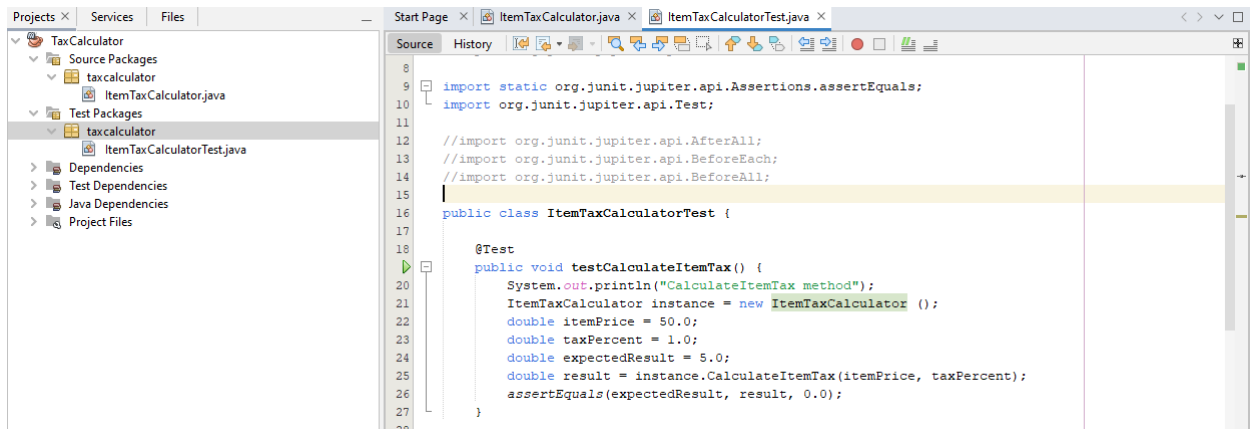
Application Development and Emerging Technologies

07 Laboratory Exercise 1

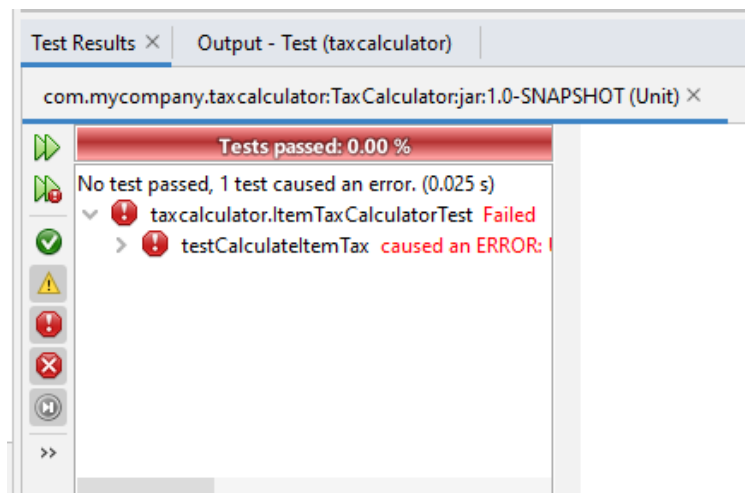
ADAYA, Lady Yzidrose M. | BSCS501



```
1  /**
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license file.
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Project/Maven2/JavaApp/src/main/java/\${packagePath}/\${mainClassName}.java to change the default package name.
4   */
5
6  package taxcalculator;
7
8
9  /**
10   *
11   * @author Complab503-1PC
12   */
13  public class ItemTaxCalculator {
14      public double CalculateItemTax (double itemPrice, double taxPercent) {
15          double decrease = taxPercent / 10.0;
16          return itemPrice * decrease;
17      }
18
19      // public static void main(String[] args) {
20      //     System.out.println("Hello World!");
21      // }
22  }
```



```
8
9
10 import static org.junit.jupiter.api.Assertions.assertEquals;
11 import org.junit.jupiter.api.Test;
12
13 //import org.junit.jupiter.api.AfterAll;
14 //import org.junit.jupiter.api.BeforeEach;
15 //import org.junit.jupiter.api.BeforeAll;
16
17 public class ItemTaxCalculatorTest {
18
19     @Test
20     public void testCalculateItemTax() {
21         System.out.println("CalculateItemTax method");
22         ItemTaxCalculator instance = new ItemTaxCalculator ();
23         double itemPrice = 50.0;
24         double taxPercent = 1.0;
25         double expectedResult = 5.0;
26         double result = instance.CalculateItemTax(itemPrice, taxPercent);
27         assertEquals(expectedResult, result, 0.0);
28     }
29 }
```



Test Results × Output - Test (taxcalculator)

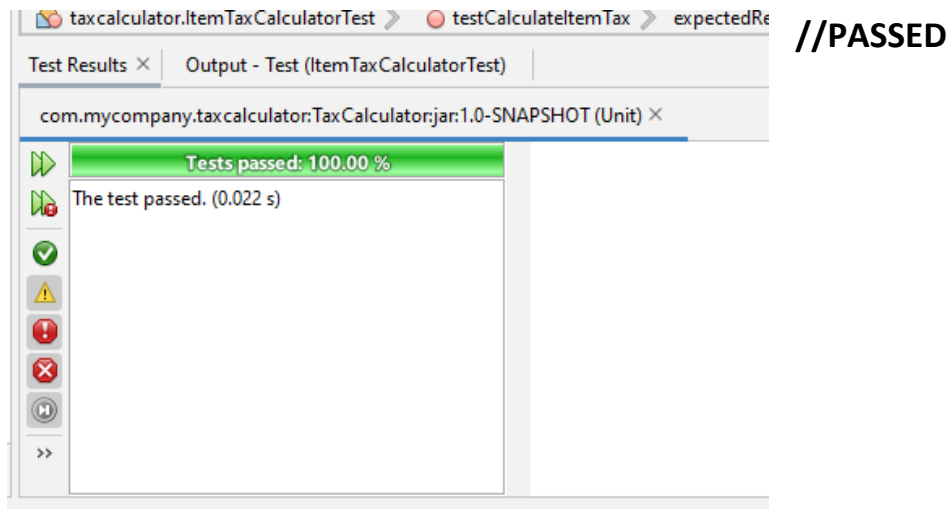
com.mycompany.taxcalculator:TaxCalculator:jar:1.0-SNAPSHOT (Unit) ×

Tests passed: 0.00 %

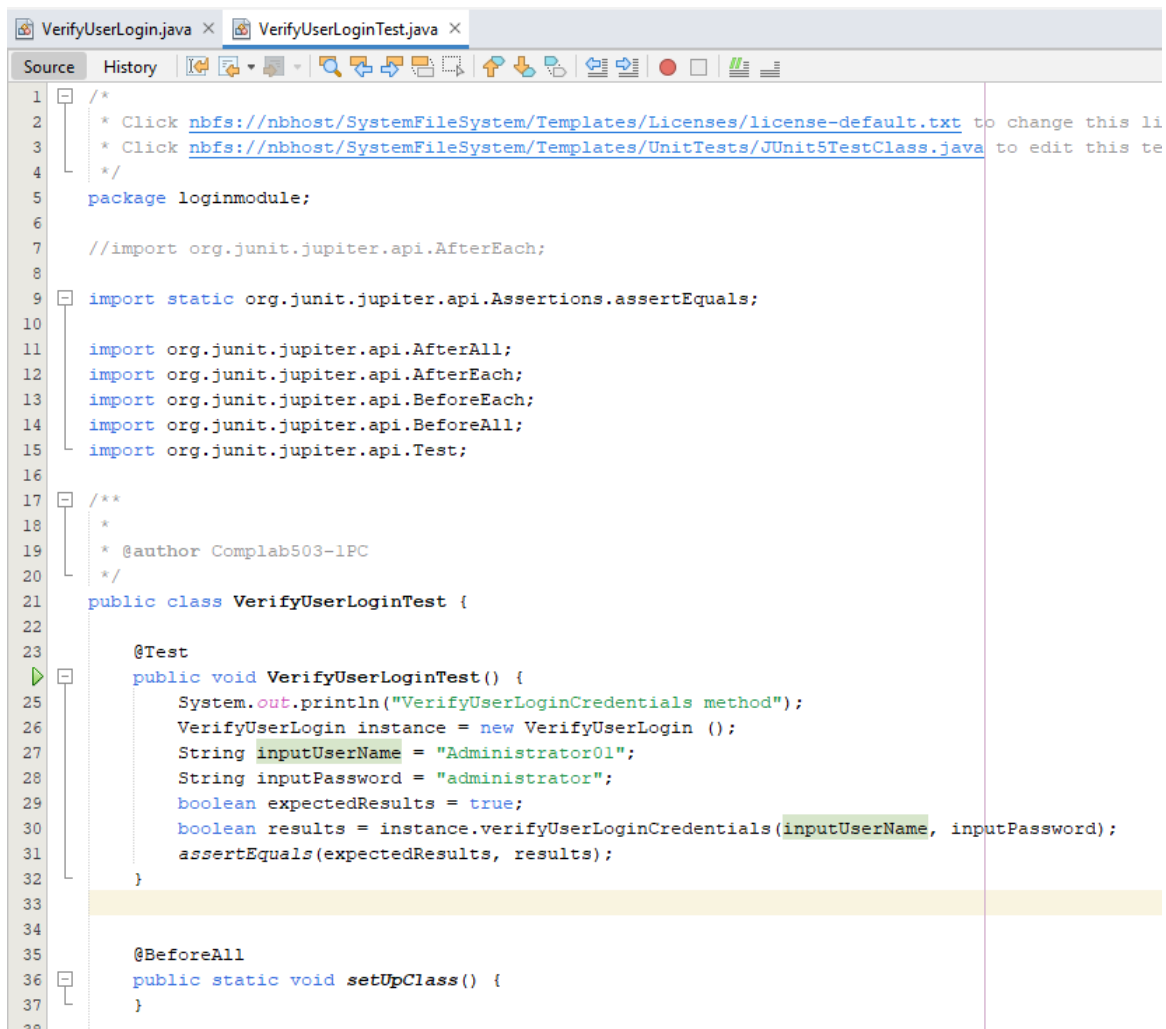
No test passed, 1 test caused an error. (0.025 s)

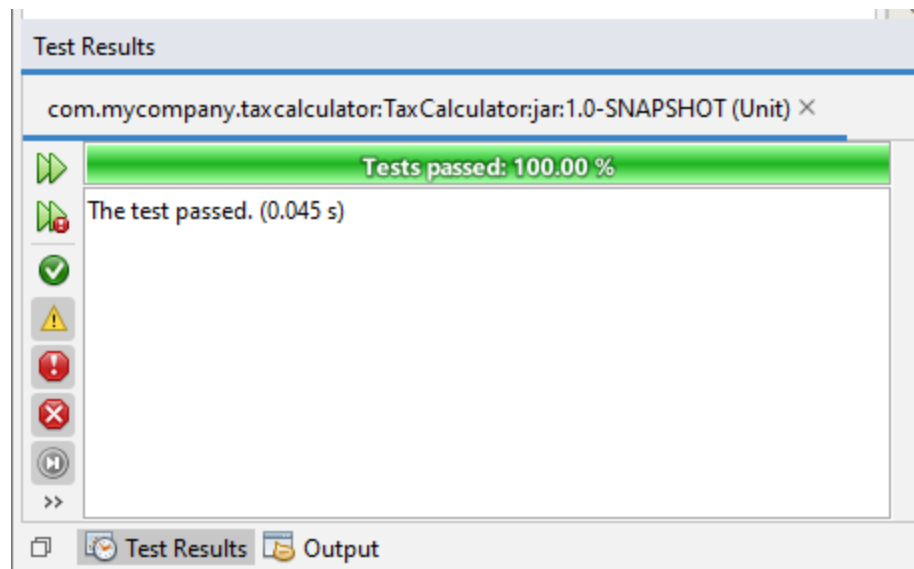
- taxcalculator.ItemTaxCalculatorTest Failed
 - testCalculateItemTax caused an ERROR:

//FAILED



VerifyUser Login





>

This PC

>

Documents

>

NetBeansProjects

>

TaxCalculator

| Name | Date modified | Type | Size |
|--|---------------------|---------------|------|
| <div><div></div>nbproject</div> | 16/12/2023 8:41 am | File folder | |
| <div><div></div>src</div> | 16/12/2023 8:39 am | File folder | |
| <div><div></div>target</div> | 16/12/2023 10:37 am | File folder | |
| <div><div><div></div></div>credentials</div> | 16/12/2023 9:11 am | Text Document | 1 KB |
| <div><div><div></div></div>pom</div> | 16/12/2023 9:09 am | XML Document | 2 KB |

PayrollCalculator

```
VerifyUserLogin.java × VerifyUserLoginTest.java × PayrollCalculatorTest.java × PayrollCalculator.java ×
Source History
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to ci
3  * Click nbfs://nbhost/SystemFileSystem/Templates/UnitTests/JUnit5TestClass.java to
4  */
5  package loginmodule;
6
7  import org.junit.jupiter.api.AfterEach;
8  import org.junit.jupiter.api.AfterAll;
9  import org.junit.jupiter.api.BeforeEach;
10 import org.junit.jupiter.api.BeforeAll;
11 import org.junit.jupiter.api.Test;
12 import static org.junit.jupiter.api.Assertions.*;
13
14 /**
15  *
16  * @author Complab503-1PC
17  */
18 public class PayrollCalculatorTest {
19
20     @Test
21     public void testPayrollCalculator() {
22         System.out.println("PayrollCalculator method");
23         PayrollCalculator instance = new PayrollCalculator ();
24         double hourlyRate = 5;
25         double hours = 5;
26         double overtime = 2;
27         double expectedResult = 40.0;
28
29         double result = instance.getTotalSalary(hourlyRate, hours, overtime);
30         assertEquals(expectedResult, result, 0.0);
31     }
32
33     @BeforeAll
34     public static void setUpClass() {
35     }
36 }
```

Test Results

com.mycompany.tax.calculator:TaxCalculator:jar:1.0-SNAPSHOT (Unit) ×

▶▶

Tests passed: 0.00 %

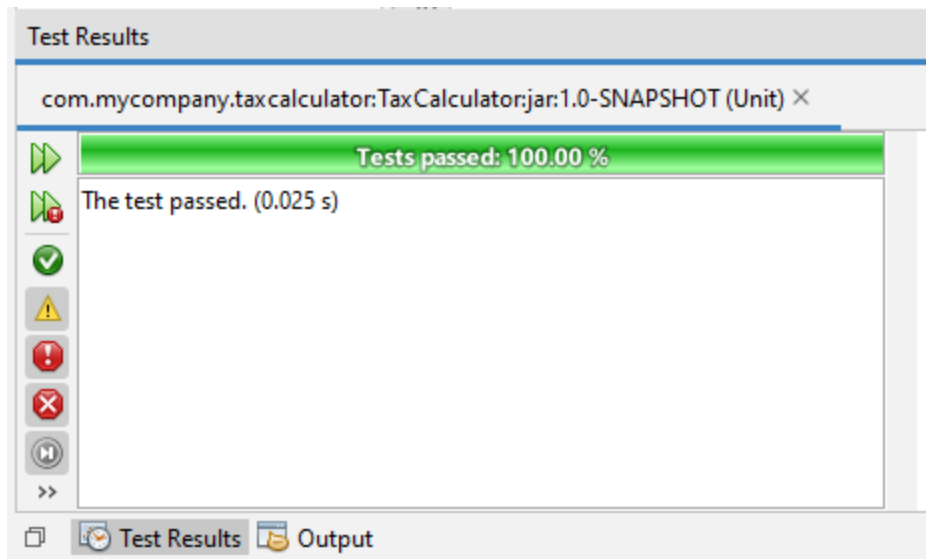
No test passed, 1 test failed. (0.052 s)

loginmodule.PayrollCalculatorTest Failed

> testPayrollCalculator Failed: expected: <25.0> but was: <40.0>

PayrollCalculator method

Test Results Output



OK NA SIRRR!! NA CHECK MO NA DIN PO SA LAB.