

Projeler - Calculator/src/elif/Calculator.java - Eclipse IDE

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Project Explorer JUnit

CalculatorTest.java Calculator.java

Finished after 0,218 seconds

Runs: 9/9 Errors: 0 Failures: 4

CalculatorTest [Runner: JUnit 5] (0,003 s)

- testSubtract1() (0,003 s)
- testAdd() (0,000 s)
- testAdd1() (0,001 s)
- testMultiply1() (0,002 s)
- testSubtract() (0,000 s)
- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

```
1 package elif;
2
3 public class Calculator {
4
5
6
7     public int add (int a, int b) {
8         return a+b;
9     }
10
11     public int subtract (int a, int b) {
12         return a-b;
13     }
14
15     public int multiply (int a, int b) {
16         return a*b;
17     }
18
19     public double divide (int a, int b) {
20         return a/b;
21     }
22 }
23
24
25
26
27
28
29 }
```

Failure Trace

org.opentest4j.AssertionFailedError: expected: 10 but was: 11

at Calculator/elif.CalculatorTest.testSubtract1() (0,003 s)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1541)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1541)

Console Progress Problems Debug Coverage

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructio...
Calculator	82,5 %	146	31	177

Writable Smart Insert 3 : 10 : 26

Aramak için buraya yazın

15:32 17.12.2021

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CalculatorTest [Runner: JUnit 5] (0,000 s)

- testSubtract1() (0,003 s)
- testAdd() (0,000 s)
- testAdd1() (0,001 s)
- testMultiply1() (0,002 s)
- testSubtract() (0,000 s)
- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

Failure Trace

org.opentest4j.AssertionFailedError: expected:
at Calculator/elif/CalculatorTest.testS
at java.base/java.util.ArrayList.forEach
at java.base/java.util.ArrayList.forEach

CalculatorTest.java

```
1 package elif;
2
3 import static org.junit.jupiter.api.Assertions.*;
4
5
6
7
8
9
10
11 class CalculatorTest {
12
13     Calculator test = new Calculator();
14     private double result;
15
16     @BeforeAll
17     static void setUpBeforeClass() throws Exception {
18         System.out.println("Before all");
19     }
20
21     @AfterAll
22     static void tearDownAfterClass() throws Exception {
23         System.out.println("After all");
24     }
25
26     @BeforeEach
27     void setUp() throws Exception {
28         System.out.println("Starting the test");
29     }
30
31     @AfterEach
32     void tearDown() throws Exception {
33         System.out.println("Finished the test");
34     }
35
36     @Test
37     void testMultiply() {
38         System.out.println("Test'ing successful multiply");
39         result = test.multiply(2, 5);
40         assertEquals(10, result);
41     }
42
43     @Test
44     void testMultiply1() {
45         // System.out.println("Test'ing failed multiply");
46     }
47 }
```

Console Progress Problems Debug Coverage

Element	Coverage	Covered Instru...	Missed Instru...	Total Instru...
Calculator	82,5 %	146	31	177

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- testMultiply1() (0,002 s)
- testSubtract() (0,000 s)
- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

Failure Trace

org.opentest4j.AssertionFailedError: expected: 20 but was: 20

at Calculator/elif/CalculatorTest.testMultiply1() (CalculatorTest.java:46)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1541)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1541)

```
43 @Test
44 void testMultiply1() {
45     // System.out.println("Test'ing failed multiply");
46     result = test.multiply(2, 5);
47     assertEquals(20, result);
48 }
49
50 @Test
51 void testAdd() {
52     System.out.println("Test'ing successful add");
53     result = test.add(2, 5);
54     assertEquals(7, result);
55 }
56
57 @Test
58 void testAdd1() {
59     // System.out.println("Test'ing failed add");
60     result = test.add(2, 5);
61     assertEquals(10, result);
62 }
63
64
65 @Test
66 void testDivide() {
67     System.out.println("Test'ing dividing by 0");
68     try {
69         assertEquals(2, test.divide(6, 0));
70         System.out.println("2");
71     } catch (ArithmeticException e) {
72         System.out.println("Divided by zero operation is not possible");
73     }
74 }
75
76
77 @Test
78 void testDivide1() {
79     System.out.println("Test'ing successful divide");
80     result = test.divide(10, 2);
81     assertEquals(5, result);
82 }
```

Console Progress Problems Debug Coverage

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- testSubtract() (0,000 s)
- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

Failure Trace

org.opentest4j.AssertionFailedError: expected: 1 but was: 10

at Calculator/elif/CalculatorTest.testSubtract1() (CalculatorTest.java:103)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1547)

at java.base/java.util.ArrayList.forEach (ArrayList.java:1547)

```
70 System.out.println("2");
71 } catch (ArithmeticException e) {
72     System.out.println("Divided by zero operation is not possible");
73 }
74
75 }
76
77 @Test
78 void testDivide1() {
79     System.out.println("'Test'ing successful divide");
80     result = test.divide(10, 2);
81     assertEquals(5, result);
82 }
83
84 @Test
85 void testDivide2() {
86     // System.out.println("'Test'ing failed divide");
87     result = test.divide(10, 2);
88     assertEquals(10, result);
89 }
90
91
92 @Test
93 void testSubtract() {
94     System.out.println("'Test'ing successful subtraction");
95     result = test.substract(10, 5);
96     assertEquals(5, result);
97 }
98
99 @Test
100 void testSubtract1() {
101     // System.out.println("'Test'ing failed subtraction");
102     result = test.substract(10, 5);
103     assertEquals(1, result);
104 }
105
106
107 }
108
```

Console Progress Problems Debug Coverage

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- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

```
10 System.out.println("2");
71 } catch (ArithmeticException e) {
72     System.out.println("Divided by zero operation is not possible");
73 }
74
75 }
76
77 @Test
78 void testDivide1() {
79     System.out.println("Test'ing successful divide");
```

Console Progress Problems Debug Coverage

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructio...
Calculator	82,5 %	146	31	177
src	82,5 %	146	31	177
elif	82,5 %	146	31	177
CalculatorTest.java	80,3 %	126	31	157
CalculatorTest	80,3 %	126	31	157
testDivide()	42,1 %	8	11	19
testAdd1()	61,5 %	8	5	13
testDivide2()	58,3 %	7	5	12
testMultiply1()	61,5 %	8	5	13
testSubtract1()	61,5 %	8	5	13
setUpBeforeClass()	100,0 %	4	0	4
tearDownAfterClass()	100,0 %	4	0	4
setUp()	100,0 %	4	0	4
tearDown()	100,0 %	4	0	4
testAdd()	100,0 %	16	0	16
testDivide1()	100,0 %	15	0	15
testMultiply()	100,0 %	16	0	16
testSubtract()	100,0 %	16	0	16
Calculator.java	100,0 %	20	0	20

Failure Trace

org.opentest4j.AssertionFailedError: ex

at Calculator/elif/CalculatorTest.testS

at java.base/java.util.ArrayList.forEach

at java.base/java.util.ArrayList.forEach

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- testSubtract() (0,000 s)
- testDivide1() (0,000 s)
- testDivide2() (0,001 s)
- testDivide() (0,000 s)
- testMultiply() (0,000 s)

CalculatorTest.java Calculator.java

```
70 System.out.println("2");
71 } catch (ArithmeticException e) {
72     System.out.println("Divided by zero operation is not possible");
73 }
74
75 }
76
77 @Test
78 void testDivide1() {
79     System.out.println("'Test'ing successful divide");
```

Console Progress Problems Debug Coverage

<terminated> CalculatorTest [JUnit] C:\Users\elifie\Documents\sts-4.11.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_16.0.1.v20210528-1205\jre\bin\javaw.exe (17 Ara 2021 15:31:20 – 15:31:22)

Before all
Starting the test
Finished the test
Starting the test
'Test'ing successful add
Finished the test
Starting the test
Finished the test
Starting the test
Finished the test
Starting the test
'Test'ing successful subtraction
Finished the test
Starting the test
'Test'ing successful divide
Finished the test
Starting the test
Finished the test
Starting the test
'Test'ing dividing by 0
Divided by zero operation is not possible
Finished the test
Starting the test
'Test'ing successful multiply
Finished the test
After all

Failure Trace

org.opentest4j.AssertionFailedError: e
at Calculator/elif/CalculatorTest.testS
at java.base/java.util.ArrayList.forEach
at java.base/java.util.ArrayList.forEach

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15:35
17.12.2021