

UnitTest

Name: Josue Marin

```
48  */
49  @Test
50  public void testCalculateFibonacci() {
51      System.out.println("calculateFibonacci");
52      int number = 10;
53      int expectedResult = 34;
54      int result = BasicOperations.calculateFibonacci(number);
55      assertEquals(expected: expectedResult, actual: result);
56  }
57
58  }
```

Test Results ×

josue:UnitTest.jar:1.0-SNAPSHOT (Unit) × josue:UnitTest.jar:1.0-SNAPSHOT (Unit) #1 ×

Tests passed: 100,00 %

The test passed. (0,006 s)

- basic.operations.BasicOperationsTest passed
 - testCalculateFibonacci passed (0,006 s)

```
75  public void testAdd() {
76      System.out.println("add");
77      float addend1 = 3.0F;
78      float addend2 = 2.0F;
79      BasicOperations instance = new BasicOperations();
80      float expectedResult = 5.0F;
81      float result = instance.add(addend1, addend2);
82      assertEquals(expected: expectedResult, actual: result, delta: 0);
83  }
84
85  /**
```

Test Results ×

josue:UnitTest.jar:1.0-SNAPSHOT (Unit) × josue:UnitTest.jar:1.0-SNAPSHOT (Unit) #1 × josue:UnitTest.jar:1.0-SNAPSHOT (Unit) #2 ×

Tests passed: 100,00 %

The test passed. (0,007 s)

- basic.operations.BasicOperationsTest passed
 - testAdd passed (0,007 s)

Output ×

SimpleCalculator (debug) × Debugger Console × Run () ×

BUILD SUCCESS

Total time: 1.192 s

Finished at: 2023-07-18T20:22:23-05:00

```
12  //
13  public class DivergenceTest {
14
15      public DivergenceTest() {
16      }
17
18      @org.junit.jupiter.api.Test
19      public void testComputeDivergence() {
20          System.out.println(x: "computeDivergence");
21          int n = 10;
22          int expResult = -5;
23          int result = Divergence.computeDivergence(n);
24          assertEquals(expected: expResult, actual: result);
25      }
26
27  }
28
```

Test Results x

com.mycompany:Operationjar:1.0-SNAPSHOT (Unit) x

Tests passed: 100.00 %

The test passed. (0.007 s)

Fail

```
13  public class DivergenceTest {
14
15      public DivergenceTest() {
16      }
17
18      @org.junit.jupiter.api.Test
19      public void testComputeDivergence() {
20          System.out.println(x: "computeDivergence");
21          int n = 10;
22          int expResult = 5;
23          int result = Divergence.computeDivergence(n);
24          assertEquals(expected: expResult, actual: result);
25      }
26
27  }
28
```

Test Results x

com.mycompany:Operationjar:1.0-SNAPSHOT (Unit) x

Tests passed: 0.00 %

No test passed, 1 test failed. (0.019 s)

computeDivergence
Divergente: -5

```
52  //
53  @Test
54  public void testCalculateFibonacci() {
55      System.out.println(x: "calculateFibonacci");
56      int number = 10;
57      int expResult = 55;
58      int result = BasicOperations.calculateFibonacci(number);
59      assertEquals(expected: expResult, actual: result);
60
61  }
62
63  /**
```

Test Results x

josue:UnitTestjar:1.0-SNAPSHOT (Unit) #8 x josue:UnitTestjar:1.0-SNAPSHOT (Unit) #9 x josue:UnitTestjar:1.0-SNAPSHOT (Unit) #10 x josue:UnitTestjar:1.0-SNAPSHOT (Unit) #11 x

Tests passed: 0.00 %

No test passed, 1 test failed. (0.01 s)

basic.operations.BasicOperationsTest Failed

testCalculateFibonacci Failed: expected:<1> but was:<34>

calculateFibonacci

0
1
1
2
3
5
8
13
21
34