

PRO 5.2

1.METODOS TEST

```
import org.junit.After;
import org.junit.AfterClass;
import org.junit.Before;
import org.junit.BeforeClass;
import org.junit.Test;
import static org.junit.Assert.*;

/**
 *
 * @author Francisco Javier
 */
public class MicalculadoraTest {

    public MicalculadoraTest() {
    }

    @BeforeClass
    public static void setUpClass() {
    }

    @AfterClass
    public static void tearDownClass() {
    }

    @Before
    public void setUp() {
    }

    @After
    public void tearDown() {
    }

    /**
     * Test of resta method, of class Micalculadora.
     */
    @Test
    public void testResta() {

        Micalculadora instance = new Micalculadora(5,5);
        int expectedResult = 0;
        int result = instance.resta();
        assertEquals(expectedResult, result);

    }

    /**
     * Test of resta2 method, of class Micalculadora.
     */
    @Test
    public void testResta2() {
```

```

        Micalculadora instance = new Micalculadora(8,5);
        boolean expResult = true;
        boolean result = instance.resta2();
        assertTrue(expResult);
    };
}

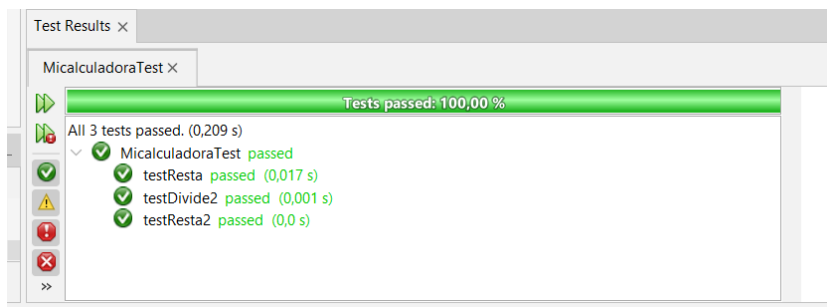
/**
 * Test of divide2 method, of class Micalculadora.
 */
@Test
public void testDivide2() {

    Micalculadora instance = new Micalculadora(5,0);
    String expResult = "";
    String result = instance.divide2();
    assertNull(expResult,result);

}

}

```



2 . FECHA

```

42 |      * Test of DevuelveFecha method, of class Fecha.
43 |      */
44 |      @Test
45 |      public void testDevuelveFecha() {
46 |          Fecha instance = new Fecha();
47 |          String expectedResult = "2024/02";
48 |          String result = instance.DevuelveFecha(numero:1);
49 |          assertEquals(expected: expectedResult, actual:result);
50 |      }
51 |
52 |      @Test
53 |      public void testDevuelveFecha2() {
54 |          Fecha instance = new Fecha();
55 |          String expectedResult = "02/2024";
56 |          String result = instance.DevuelveFecha(numero:2);
57 |          assertEquals(expected: expectedResult, actual:result);
58 |      }
59 |
60 |      @Test
61 |      public void testDevuelveFecha3() {
62 |          Fecha instance = new Fecha();
63 |          String expectedResult = "02/24";
64 |          String result = instance.DevuelveFecha(numero:3);
65 |          assertEquals(expected: expectedResult, actual:result);
66 |      }
67 |
68 |      @Test
69 |      public void testDevuelveFechaError() {
70 |          Fecha instance = new Fecha();
71 |          String expectedResult = "ERROR";
72 |          String result = instance.DevuelveFecha(numero:4);
73 |          assertEquals(expected: expectedResult, actual:result);
74 |      }
75 |

```

FechaTest x

Tests passed: 100,00 %

All 4 tests passed. (0,096 s)

- ✓ FechaTest passed
 - ✓ testDevuelveFecha2 passed (0,007 s)
 - ✓ testDevuelveFecha3 passed (0,002 s)
 - ✓ testDevuelveFechaError passed (0,0 s)
 - ✓ testDevuelveFecha passed (0,0 s)

3. FACTORIAL

```

41     @Test
42     public void testCalculo() {
43         int n = -1;
44         int expectedResult = 0;
45         int result = Factorial.calculo(n);
46         assertEquals(expected: expectedResult, actual: result);
47     }
48     @Test
49     public void testCalculo1() {
50         int n = 1;
51         int expectedResult = 1;
52         int result = Factorial.calculo(n);
53         assertEquals(expected: expectedResult, actual: result);
54     }
55     @Test
56     public void testCalculo2() {
57         int n = 2;
58         int expectedResult = 2;
59         int result = Factorial.calculo(n);
60         assertEquals(expected: expectedResult, actual: result);
61     }
62     @Test
63     public void testCalculo3() {
64         int n = 3;
65         int expectedResult = 6;
66         int result = Factorial.calculo(n);
67         assertEquals(expected: expectedResult, actual: result);
68     }

```

Test Results x

FactorialTest x

Tests passed: 75,00 %

3 tests passed, 1 test caused an error. (0,111 s)

FactorialTest Failed

- testCalculo caused an ERROR: Número -1no puede ser <0
- testCalculo1 passed (0,0 s)
- testCalculo2 passed (0,0 s)
- testCalculo3 passed (0,0 s)