



UNIVERSIDAD DE LAS FUERZAS ARMADAS ESPE

CLASS NAME: OBJECT ORIENTED PROGRAMMING

TEACHER: EDISON LASCANO

NRC:14575



HOME WORK #: 18

TOPIC: Unit Test to Taxes Lib

NAME: CARLOS ÑATO

1.

```
Taxes.java x TaxIT.java x TaxAppMain.java x TaxITTest.java x
Source History
50 @Test
51 public void testCalculateIVA4() {
52     System.out.println("calculateIVA");
53     float cost = 80F;
54     TaxIT instance = new TaxIT();
55     float expectedResult = 9.6F;
56     float result = instance.calculateIVA(cost);
57     assertEquals(expected: expectedResult, actual: result, delta: 0.0);
58 }
59
60 @Test
61 public void testCalculateIVA5() {
62     System.out.println("calculateIVA");
63     float cost = 115.25F;
64     TaxIT instance = new TaxIT();
65     float expectedResult = 13.83F;
66     float result = instance.calculateIVA(cost);
67     assertEquals(expected: expectedResult, actual: result, delta: 0.0);
68 }
69
70 @Test
71 public void testCalculateIVA6() {
72     System.out.println("calculateIVA");
73     float cost = 63.666F;
74     TaxIT instance = new TaxIT();
75     float expectedResult = 7.63992F;
76     float result = instance.calculateIVA(cost);
77     assertEquals(expected: expectedResult, actual: result, delta: 0.0);
78 }
79 }
```

ec.edu.espe.tacacalculator.view

TaxSystemTest.java

Libraries

JUnit 4.12.jar

hamcrest-core-1.3.jar

Test Packages

ec.edu.espe.tacacalculator.view

TaxSystemTest.java

JUnit 4.12.jar

hamcrest-core-1.3.jar

Test Results

ec.edu.espe.tacacalculator.view.TaxSystemTest

Tests passed: 0.00 %

No test passed, 1 test caused an error (0.004 s)

ec.edu.espe.tacacalculator.view.TaxSystemTest failed

initializationError caused an (ERROR) No runnable methods

```
18 /**
19  * Test of calculateImpuestoRenta method, of class TaxSystem.
20  */
21 @Test
22 public void testCalculateImpuestoRenta() {
23     System.out.println("calculateImpuestoRenta");
24     double ingresoAnual = 47095.0F;
25     double expectedResult = 232333.2F;
26     double result = TaxSystem.calculateImpuestoRenta(ingresoAnual);
27     assertEquals(expected: expectedResult, actual: result, delta: 0);
28     fail("error: The test case is a prototype.");
29 }
30
31 /**
32  * Test of main method, of class TaxSystem.
33  */
34 }
```

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TaxSystemTest.java

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ec.edu.espe.tacacalculator.view.TaxSystemTest

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initializationError caused an (ERROR) No runnable methods

Test Results

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

Tests passed: 100.00 %

Both tests passed: (0.100 s)

- ec.edu.espetax.utlis tax test passed
- testComputeIva passed (0.052 s)
- testComputePvp passed (0.007 s)

computeIva

computePvp

```
public void testComputePvp() {
    System.out.println("computePvp");
    float amount = 10.0F;
    float expectedResult = 11.2F;
    float result = Tax.computePvp(amount);
    assertEquals("expected:expResult, actual: result, delta: 0.1",
        expectedResult, result, 0.1);
}
```