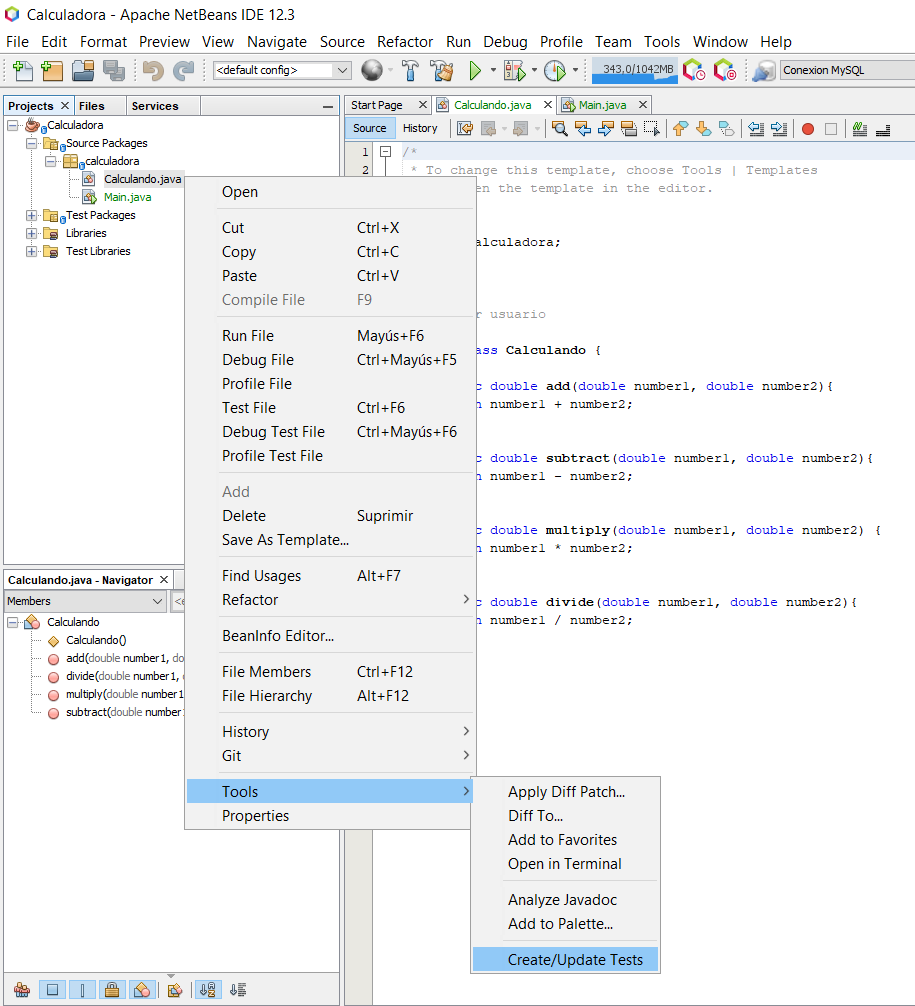
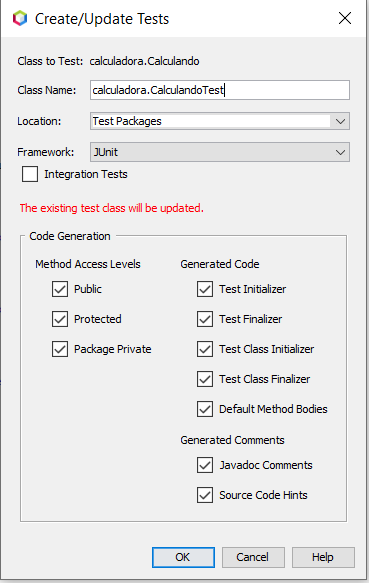
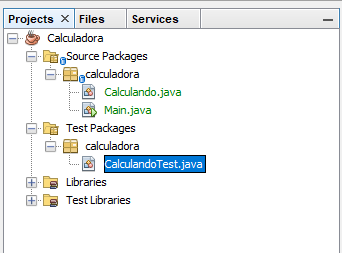
1. **PRUEBAS UNITARIAS DE LA CLASE CALCULANDO:**

Cargamos el fichero, que viene en la tarea, dentro de NetBeans pinchamos con el botón derecho encima de la clase calculando y seleccionamos “herramientas/créate-update test”:



Clickamos todas las opciones y hacemos ok





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package calculadora**;**

**import** junit**.**framework**.**TestCase**;**

/\*\*

\*

\* **@author** DANILOR

\*/

public class CalculandoTest **extends** TestCase **{**

public CalculandoTest**(**String testName**)** **{**

**super(**testName**);**

**}**

@Override

protected void setUp**()** **throws** Exception **{**

**super.**setUp**();**

**}**

@Override

protected void tearDown**()** **throws** Exception **{**

**super.**tearDown**();**

**}**

/\*\*

\* Test of add method, of class Calculando.

\*/

public void testAdd**()** **{**

System**.**out**.**println**(**"add"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**add**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

// TODO review the generated test code and remove the default call to fail.

fail**(**"The test case is a prototype."**);**

**}**

/\*\*

\* Test of subtract method, of class Calculando.

\*/

public void testSubtract**()** **{**

System**.**out**.**println**(**"subtract"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**subtract**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

// TODO review the generated test code and remove the default call to fail.

fail**(**"The test case is a prototype."**);**

**}**

/\*\*

\* Test of multiply method, of class Calculando.

\*/

public void testMultiply**()** **{**

System**.**out**.**println**(**"multiply"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**multiply**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

// TODO review the generated test code and remove the default call to fail.

fail**(**"The test case is a prototype."**);**

**}**

/\*\*

\* Test of divide method, of class Calculando.

\*/

public void testDivide**()** **{**

System**.**out**.**println**(**"divide"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**divide**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

// TODO review the generated test code and remove the default call to fail.

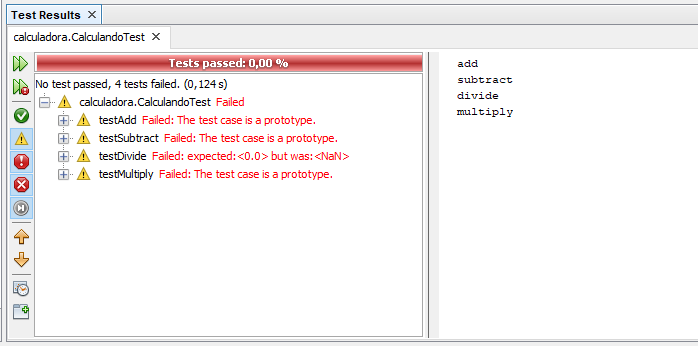
fail**(**"The test case is a prototype."**);**

**}**

**}**

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1. **EJECUTAMOS LA CLASE DE PRUEBAS**



1. **ELIMINAMOS LAS 2 ÚLTIMAS LÍNEAS DE CADA MÉTODO**

-------------------------------------------------------------------------------------------------------------------------------------

public class CalculandoTest **extends** TestCase **{**

public CalculandoTest**(**String testName**)** **{**

**super(**testName**);**

**}**

@Override

protected void setUp**()** **throws** Exception **{**

**super.**setUp**();**

**}**

@Override

protected void tearDown**()** **throws** Exception **{**

**super.**tearDown**();**

**}**

/\*\*

\* Test of add method, of class Calculando.

\*/

public void testAdd**()** **{**

System**.**out**.**println**(**"add"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**add**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

**}**

/\*\*

\* Test of subtract method, of class Calculando.

\*/

public void testSubtract**()** **{**

System**.**out**.**println**(**"subtract"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**subtract**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

**}**

/\*\*

\* Test of multiply method, of class Calculando.

\*/

public void testMultiply**()** **{**

System**.**out**.**println**(**"multiply"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**multiply**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 0.0**);**

**}**

/\*\*

\* Test of divide method, of class Calculando.

\*/

public void testDivide**()** **{**

System**.**out**.**println**(**"divide"**);**

double number1 **=** 0.0**;**

double number2 **=** 0.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 0.0**;**

double result **=** instance**.**divide**(**number1**,** number2**);**

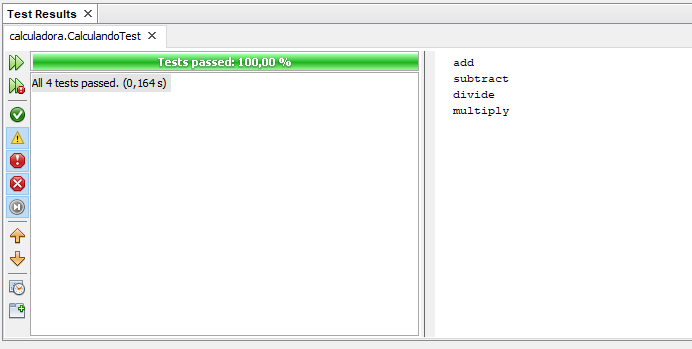
assertEquals**(**expResult**,** result**,** 0.0**);**

**}**

**}**

-------------------------------------------------------------------------------------------------------------------------------------

1. **CÓDIGO CORREGIDO LIBRE DE ERRORES**



-------------------------------------------------------------------------------------------------------------------------------------

public class CalculandoTest **extends** TestCase **{**

public CalculandoTest**(**String testName**)** **{**

**super(**testName**);**

**}**

@Override

protected void setUp**()** **throws** Exception **{**

**super.**setUp**();**

**}**

@Override

protected void tearDown**()** **throws** Exception **{**

**super.**tearDown**();**

**}**

/\*\*

\* Test of add method, of class Calculando.

\*/

public void testAdd**()** **{**

System**.**out**.**println**(**"add"**);**

double number1 **=** 4.0**;**

double number2 **=** 3.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 7.0**;**

double result **=** instance**.**add**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 7.0**);**

**}**

/\*\*

\* Test of subtract method, of class Calculando.

\*/

public void testSubtract**()** **{**

System**.**out**.**println**(**"subtract"**);**

double number1 **=** 4.0**;**

double number2 **=** 3.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 1.0**;**

double result **=** instance**.**subtract**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 1.0**);**

**}**

/\*\*

\* Test of multiply method, of class Calculando.

\*/

public void testMultiply**()** **{**

System**.**out**.**println**(**"multiply"**);**

double number1 **=** 4.0**;**

double number2 **=** 3.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 12.0**;**

double result **=** instance**.**multiply**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 12.0**);**

**}**

/\*\*

\* Test of divide method, of class Calculando.

\*/

public void testDivide**()** **{**

System**.**out**.**println**(**"divide"**);**

double number1 **=** 9.0**;**

double number2 **=** 3.0**;**

Calculando instance **=** **new** Calculando**();**

double expResult **=** 3.0**;**

double result **=** instance**.**divide**(**number1**,** number2**);**

assertEquals**(**expResult**,** result**,** 3.0**);**

**}**

**}**

-------------------------------------------------------------------------------------------------------------------------------------

1. **PLANIFICACIÓN DE PRUEBAS DE INTEGRACIÓN, SISTEMA Y REGRESIÓN**