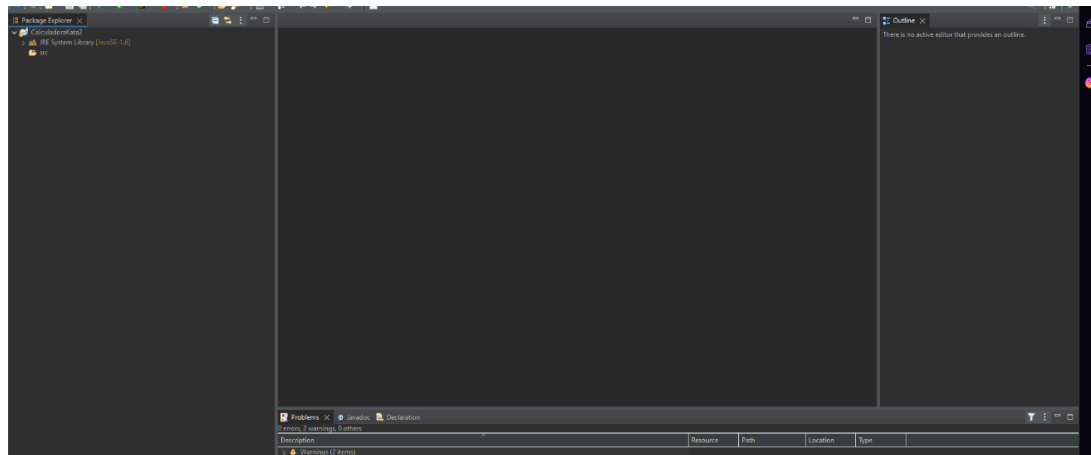
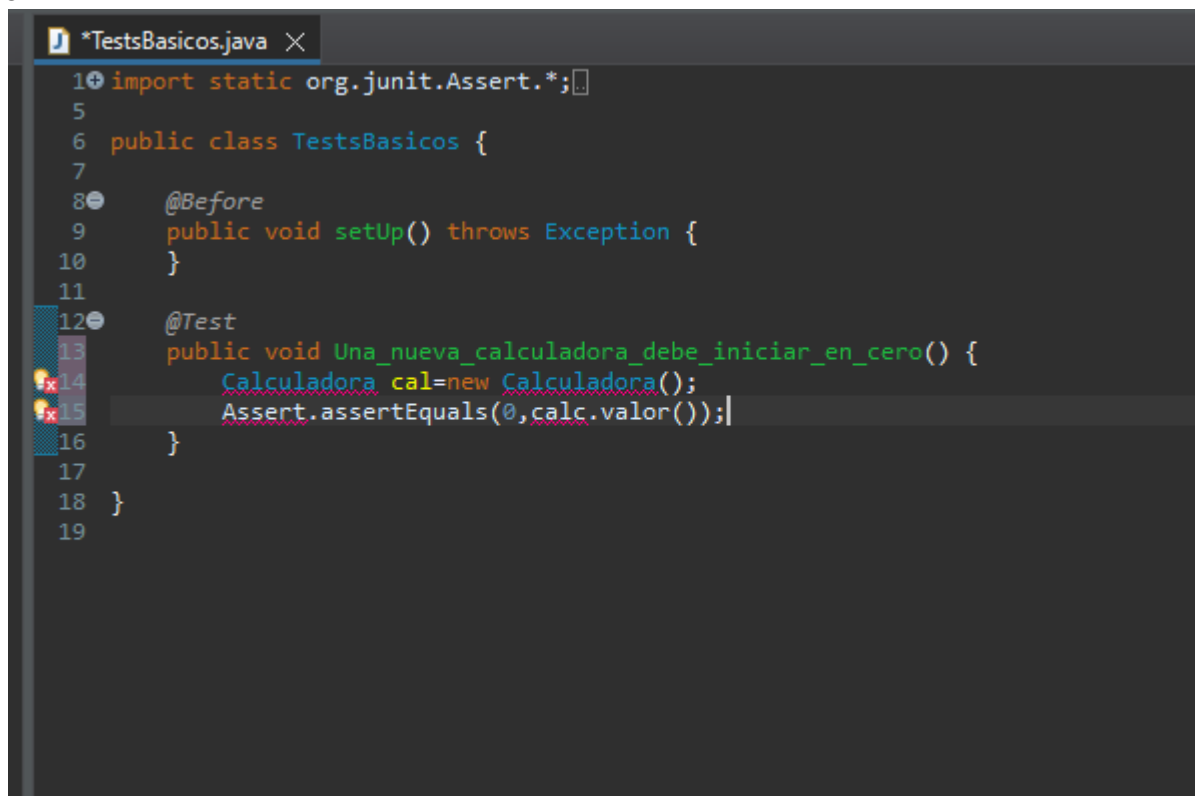


Memoria

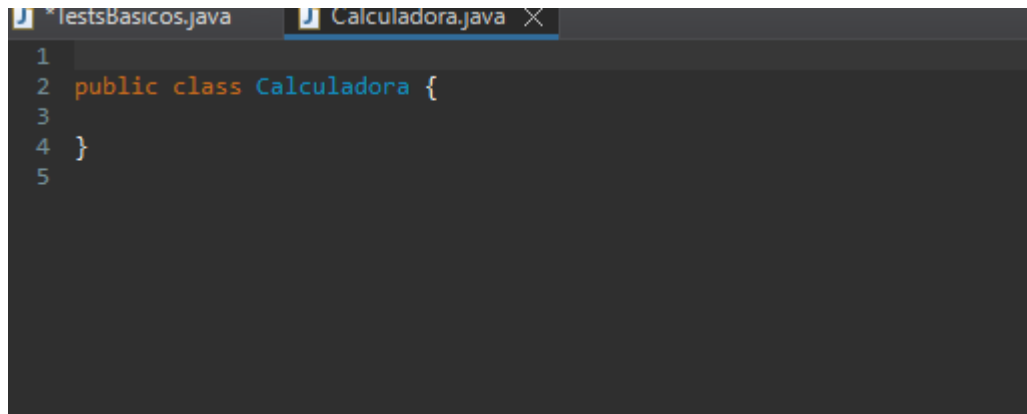
Creo el proyecto



genero primer test



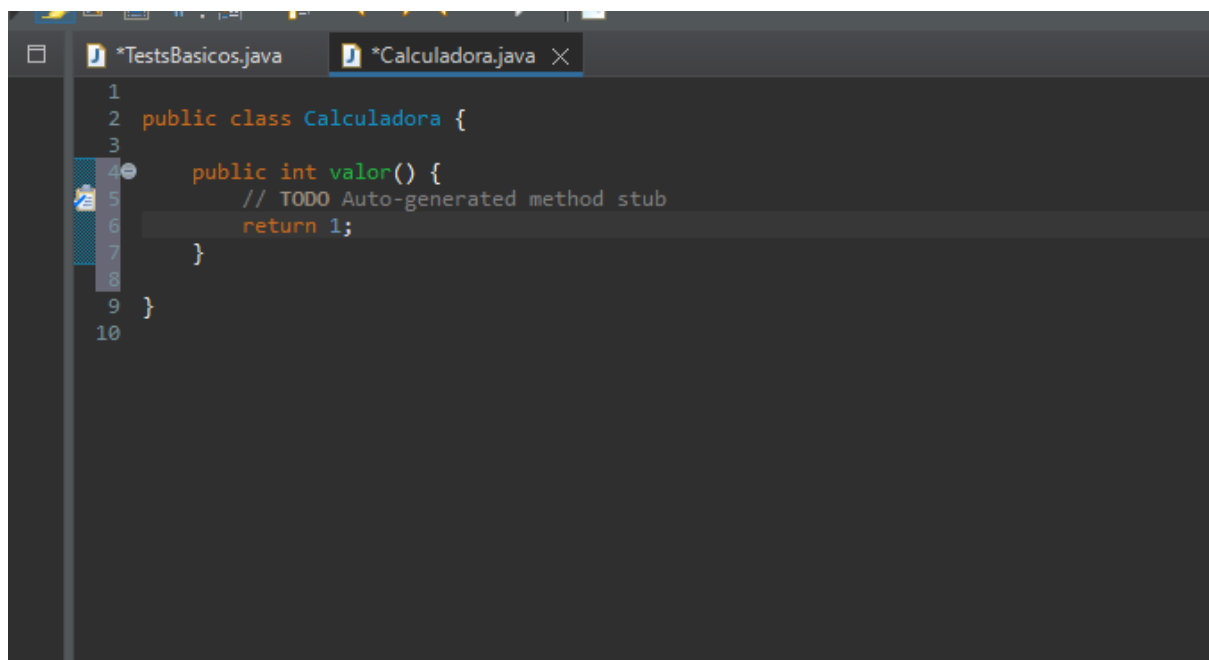
Creo clase calculadora



The screenshot shows an IDE with two tabs: `*TestsBasicos.java` and `*Calculadora.java`. The `Calculadora.java` tab is active, displaying the following code:

```
1  
2 public class Calculadora {  
3  
4 }  
5
```

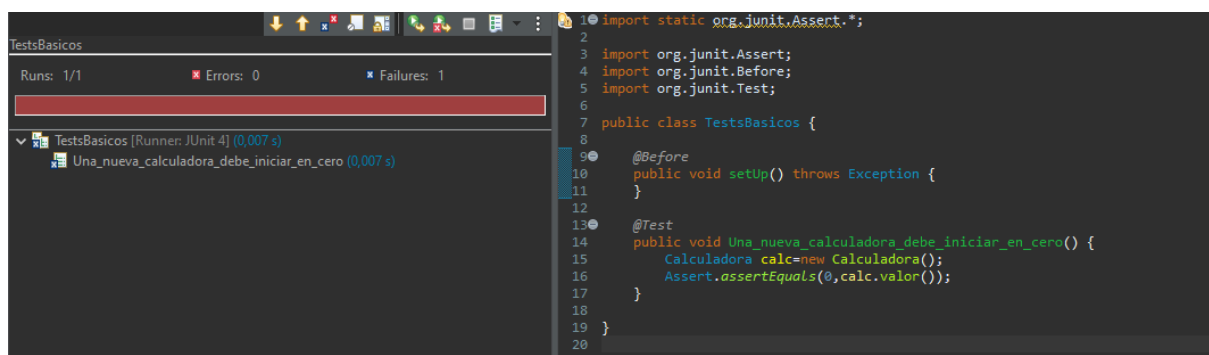
Añado metodos



The screenshot shows the same IDE with the `Calculadora.java` tab active. The code now includes a `valor()` method:

```
1  
2 public class Calculadora {  
3  
4     public int valor() {  
5         // TODO Auto-generated method stub  
6         return 1;  
7     }  
8  
9 }  
10
```

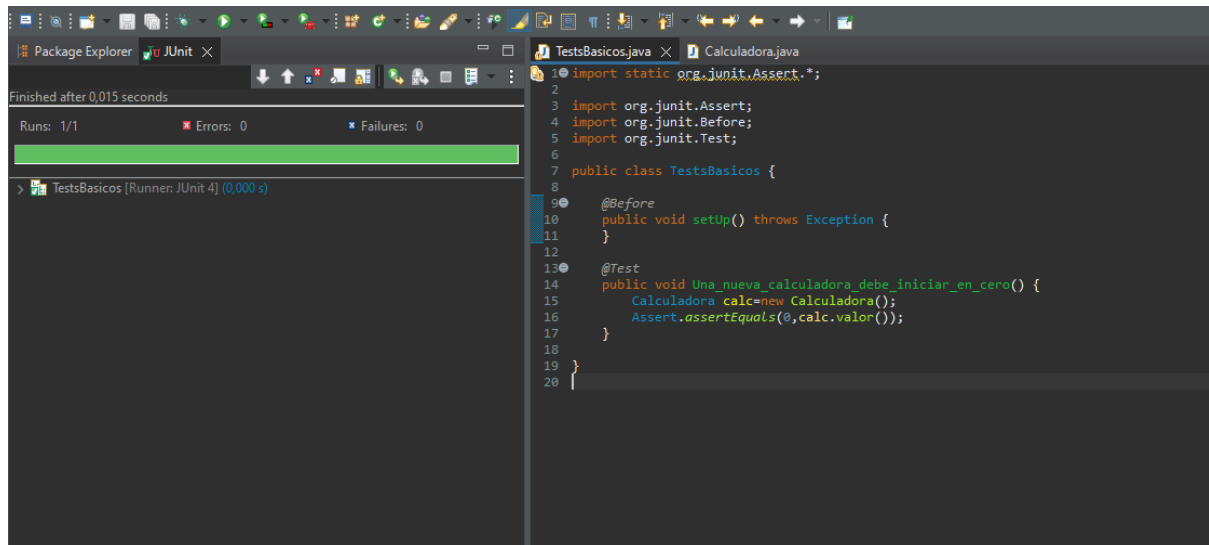
Veo fallar test porque el valor debe ser 0



The screenshot shows the IDE with the `TestsBasicos` test class. The left sidebar shows the test results: `TestsBasicos` (Runner: JUnit 4) (0.007 s) with 1 failure. The failure is for the test `Una_nueva_calculadora_debe_iniciar_en_cero` (0.007 s). The right sidebar shows the test code:

```
1 import static org.junit.Assert.*;  
2  
3 import org.junit.Assert;  
4 import org.junit.Before;  
5 import org.junit.Test;  
6  
7 public class TestsBasicos {  
8  
9     @Before  
10    public void setUp() throws Exception {  
11    }  
12  
13    @Test  
14    public void Una_nueva_calculadora_debe_iniciar_en_cero() {  
15        Calculadora calc=new Calculadora();  
16        Assert.assertEquals(0,calc.valor());  
17    }  
18  
19 }  
20
```

Cambio el valor a 0 y paso el test



The screenshot shows an IDE with two tabs: 'TestsBasicos.java' and 'Calculadora.java'. The 'TestsBasicos.java' tab is active, displaying the following code:

```
1 import static org.junit.Assert.*;
2
3 import org.junit.Assert;
4 import org.junit.Before;
5 import org.junit.Test;
6
7 public class TestsBasicos {
8
9     @Before
10    public void setUp() throws Exception {
11    }
12
13    @Test
14    public void Una_nueva_calculadora_debe_iniciar_en_cero() {
15        Calculadora calc=new Calculadora();
16        Assert.assertEquals(0,calc.valor());
17    }
18
19 }
20
```

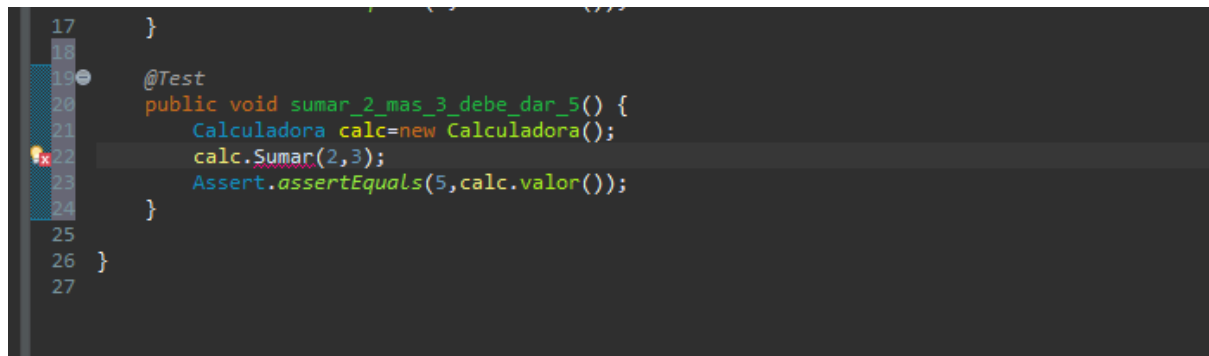
The 'Calculadora.java' tab is also visible, showing the following code:

```
1 public class Calculadora {
2     private int valor;
3
4     public Calculadora() {
5         valor = 0;
6     }
7
8     public void sumar(int i, int j) {
9         valor = valor + i + j;
10    }
11
12    public int valor() {
13        return valor;
14    }
15 }

```

The 'TestsBasicos.java' tab is also showing the test results in the 'JUnit' view. The test 'Una_nueva_calculadora_debe_iniciar_en_cero' passed successfully. The output shows 'Finished after 0,015 seconds', 'Runs: 1/1', 'Errors: 0', and 'Failures: 0'.

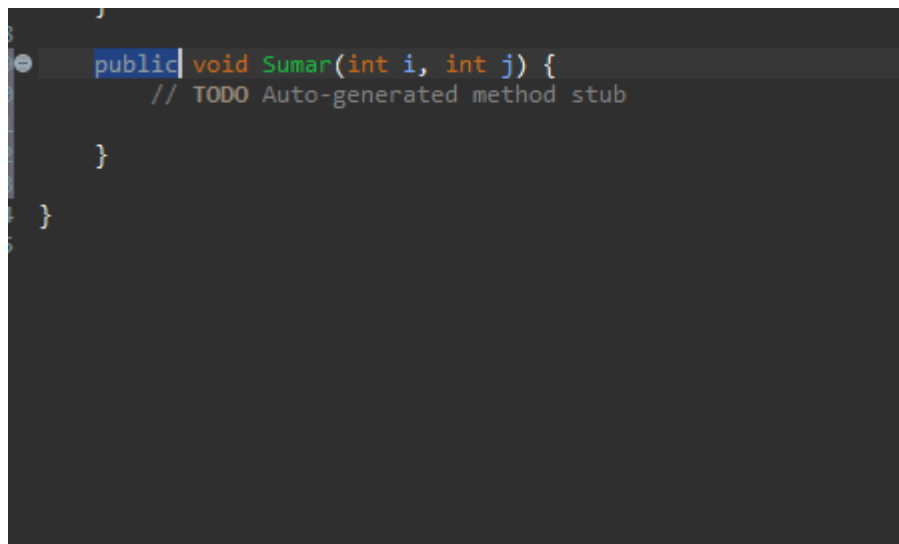
Creo nuevo test Sumar



The screenshot shows the 'TestsBasicos.java' tab with the following code:

```
17 }
18
19 @Test
20 public void sumar_2_mas_3_debe_dar_5() {
21     Calculadora calc=new Calculadora();
22     calc.Sumar(2,3);
23     Assert.assertEquals(5,calc.valor());
24 }
25
26 }
27
```

creo metodo sumar

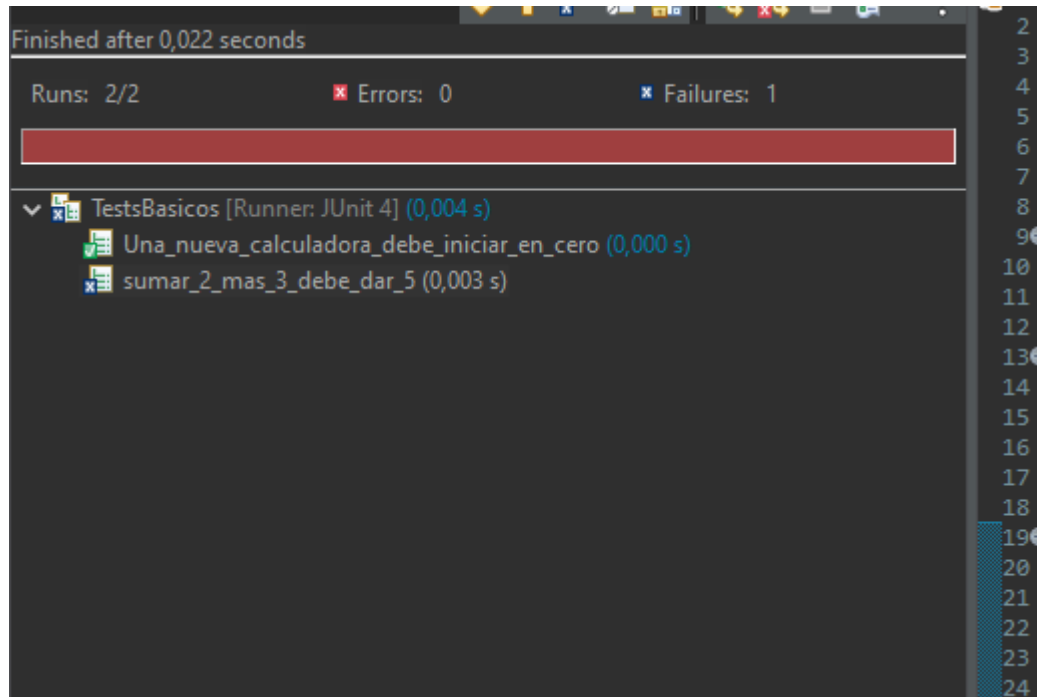


The screenshot shows the 'Calculadora.java' tab with the following code:

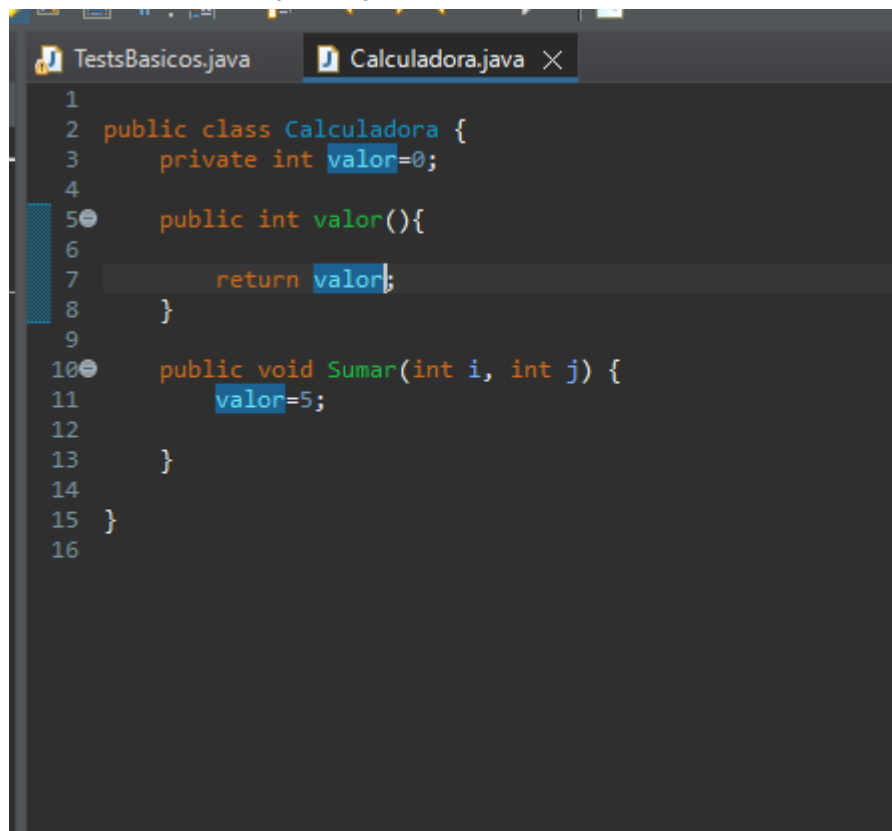
```
1 public class Calculadora {
2     private int valor;
3
4     public Calculadora() {
5         valor = 0;
6     }
7
8     public void Sumar(int i, int j) {
9         // TODO Auto-generated method stub
10    }
11
12 }

```

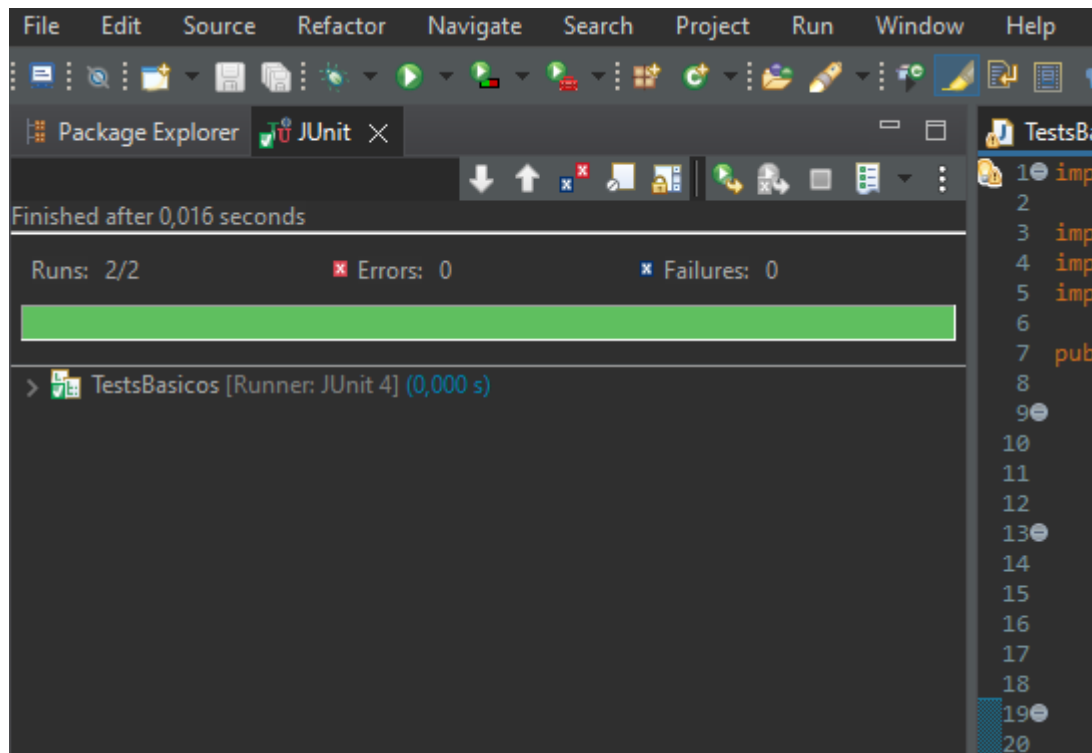
Test falla



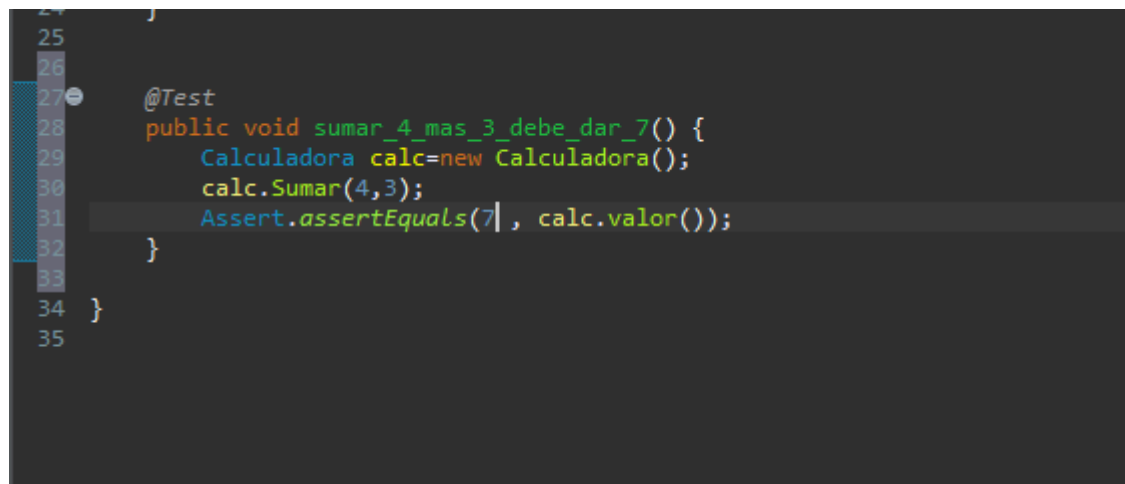
Añado atributo valor y le doy valor 5



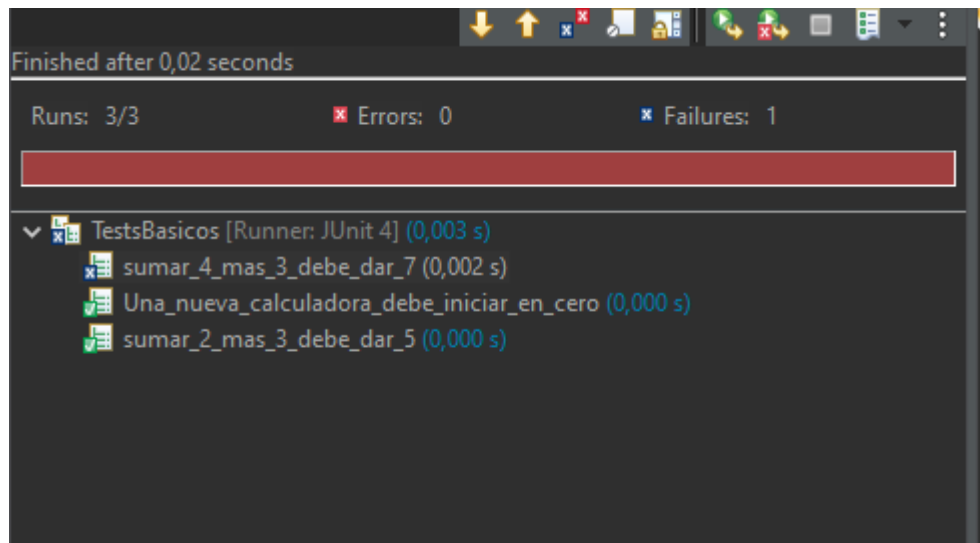
El test pasa



CREO TEST



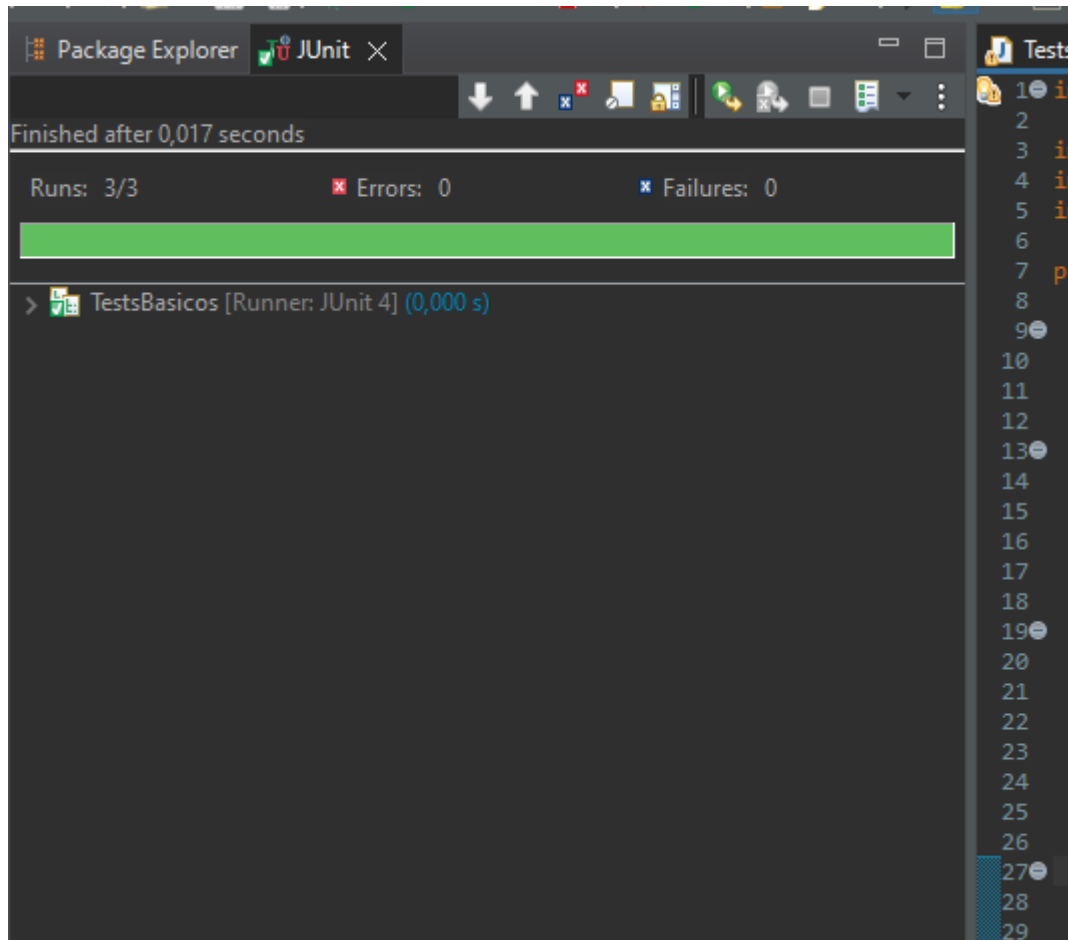
Falla test



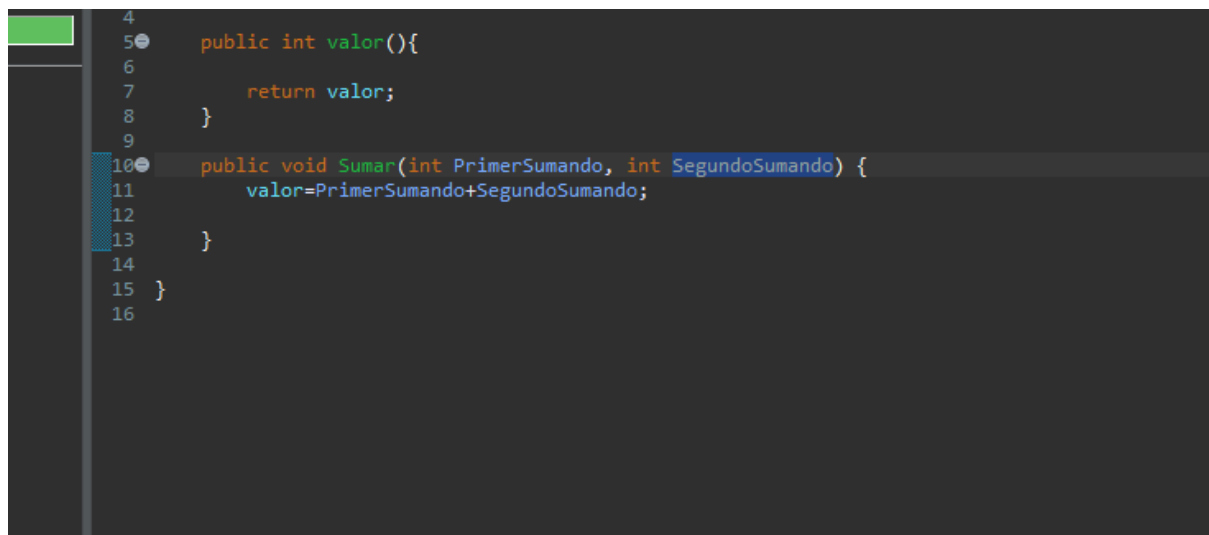
Modifico metodo para que se puedan meter enteros y la suma de 7 en este caso


```
1
2 public class Calculadora {
3     private int valor=0;
4
5     public int valor(){
6
7         return valor;
8     }
9
10    public void Sumar(int i, int j) {
11        valor=i+j;
12    }
13
14
15 }
16
```

Paso test




Refactorizar





GENERALITAT
VALENCIANA




Aules

Conselleria d'Educació, Cultura i Esport

Val / Cas / Eng / Fra

Buscar

Salir



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Mensaje

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Descripción

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

TestBasicos.java

TestBasicos.java

TestBasicos (Runner: JUnit 4) 0.000s

Failure Trace

TestBasicos (12 Jun 2023 19:25:09)

Element Coverage Covered Instructions Missed Instructions

CalculadoraKata2 85.0% 34

```
1 import static org.junit.Assert.*;
2
3 import org.junit.Assert;
4 import org.junit.Before;
5 import org.junit.Test;
6
7 public class TestBasicos {
8
9     @Before
10     public void setUp() throws Exception {
11     }
12
13     @Test
14     public void Una_nueva_calculadora_debe_iniciar_en_0() {
15         Calculadora calc = new Calculadora();
16         Assert.assertEquals(0, calc.valor());
17     }
18
19     @Test
20     public void Sumar_2_nos_3_debe_ser_5() {
21         Calculadora calc = new Calculadora();
22         calc.sumar(2, 3);
23         Assert.assertEquals(5, calc.valor());
24     }
25
26     @Test
27     public void Sumar_4_nos_3_debe_ser_7() {
28         Calculadora calc = new Calculadora();
29         calc.sumar(4, 3);
30         Assert.assertEquals(7, calc.valor());
31     }
32
33     @Test
34     public void Sumar_5_nos_3_debe_ser_8() {
35         Calculadora calc = new Calculadora();
36         calc.sumar(5, 3);
37         Assert.assertEquals(8, calc.valor());
38     }
39 }
```