

- ¿Qué debería pasar si ingreso 50 euros?

- Pues que se añade 50 a saldo

- ¿Qué ocurre si ingreso una cantidad negativa?

- Que no te debería dejar por el +=

- ¿Qué pasa si retiro más dinero del que hay?

- Que lo podrías hacer, habría que indicar que cantidad no puede ser menor que 0.

BASICOS:

The screenshot shows the NetBeans IDE interface. The top navigation bar includes 'File', 'Edit', 'Tools', 'Help', and tabs for 'MavenprojectIEDD.java', 'PruebasJUnit.java', 'CuentaBancaria.java', 'CuentaBancariaTest.java' (which is the active tab), 'Calculadora.java', and 'main.java'. Below the tabs is a toolbar with icons for file operations like new, open, save, and run. The main code editor displays the following Java test code:

```

1 package modelo;
2
3 import org.junit.jupiter.api.Test;
4 import static org.junit.jupiter.api.Assertions.*;
5
6 public class CuentaBancariaTest {
7
8     @Test
9     public void testSaldoInicial() {
10         CuentaBancaria cuenta = new CuentaBancaria(0);
11         assertEquals(0, cuenta.getSaldo(), 0.01);
12     }
13
14     @Test
15     public void testIngresarM() { //mucho
16         CuentaBancaria cuenta = new CuentaBancaria(0);
17         cuenta.ingresar(20);
18         cuenta.ingresar(30);
19
20         assertEquals(50, cuenta.getSaldo(), 0.01);
21     }
22
23     @Test
24     public void testRetirarM() {
25         CuentaBancaria cuenta = new CuentaBancaria(100);
26         cuenta.retirar(10);
27         cuenta.retirar(15);
28
29         assertEquals(75, cuenta.getSaldo(), 0.01);
30     }
31
32     @Test
33     public void testIngresarP() { //poco
34         CuentaBancaria cuenta = new CuentaBancaria(0);
35         cuenta.ingresar(0.01);
36         assertEquals(0.01, cuenta.getSaldo(), 0.01);
37     }
38
39     @Test
40     public void testIngresarNo() {
41         CuentaBancaria cuenta = new CuentaBancaria(100);
42         cuenta.ingresar(-20);
43         assertEquals(100, cuenta.getSaldo(), 0.01);
44     }
45
46 }

```

Below the code editor is the output window titled 'out - Test(CuentaBancariaTest)'. It shows the Maven build command and its execution:

```

cd C:\Users\GGA\Documents\NetBeansProjects\PruebasJUnit
WARNING: A terminally deprecated method in sun.misc.Unsafe has been called
WARNING: sun.misc.Unsafe#staticFieldBase has been called by com.google.inject.internal.sop.HiddenClassDefiner (file:/C:/Programs20Files/Apache%20NetBeans/java/maven/lib/guice-5.1.0-classes.jar)
WARNING: Please consider reporting this to the maintainers of class com.google.inject.internal.sop.HiddenClassDefiner
WARNING: sun.misc.Unsafe#staticFieldBase will be removed in a future release
Scanning for projects...

```

The build process continues with:

```

Building PruebasJUnit 1.0-SNAPSHOT
from pom.xml
-----[ jar ]-----
resources/3.5/resources (default-resources) @ PruebasJUnit --
skip non existing resourceDirectory C:\Users\GGA\Documents\NetBeansProjects\PruebasJUnit\src\main\resources
-----[ compiler3.13.compile ] (default-compile) @ PruebasJUnit --
Nothing to compile - all classes are up to date.

resources/3.13/testResources (default-testResources) @ PruebasJUnit --
skip non existing resourceDirectory C:\Users\GGA\Documents\NetBeansProjects\PruebasJUnit\src\test\resources
-----[ compiler3.13.testCompile ] (default-testCompile) @ PruebasJUnit --
Nothing to compile - all classes are up to date.

surefire/3.1.5:test (default-test) @ PruebasJUnit --
Using auto detected provider org.apache.maven.surefire.junitplatform.JUnitPlatformProvider
-----[ test ] (default-test) @ PruebasJUnit --
T E S T S
-----
Running modelo.CuentaBancariaTest
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.053 s -- in modelo.CuentaBancariaTest
Results:
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0
-----[ BUILD SUCCESS ] -----
Total time: 1.626 s
Finished at: 2026-01-29T13:52:27+01:00
-----
```

A status bar at the bottom right indicates: 'Tests (5) finished successfully for project: PruebasJUnit' and 'Open Test Results Window'.

Límite:

The screenshot shows the NetBeans IDE interface with several tabs open at the top: MavenprojectIEEDD.java, PruebaJUnit.java, CuentaBancaria.java, CuentaBancariaTest.java, Calculadora.java, and main.java. The CuentaBancariaTest.java tab is active, displaying Java test code for the CuentaBancaria class. The code includes various test methods using the @Test annotation, such as testIngresarP(), testIngresarNo(), testIngresarCero(), testRetiroTotal(), testRetirarCero(), and testIngresarMM(). The code uses assertions like assertEquals() to check if account balances are updated correctly after transactions.

```
32     @Test
33     public void testIngresarP() { //Poco
34         CuentaBancaria cuenta = new CuentaBancaria(0);
35         cuenta.ingresar(0.01);
36         assertEquals(0.01, cuenta.getSaldo(), 0.01);
37     }
38
39     @Test
40     public void testIngresarNo() {
41         CuentaBancaria cuenta = new CuentaBancaria(100);
42         cuenta.ingresar(-20);
43         assertEquals(100, cuenta.getSaldo(), 0.01);
44     }
45
46     //Límite
47
48     @Test
49     public void testIngresarCero() {
50         CuentaBancaria cuenta = new CuentaBancaria(500);
51         cuenta.ingresar(0);
52         assertEquals(500, cuenta.getSaldo(), 0.01);
53     }
54
55     @Test
56     public void testRetiroTotal() {
57         CuentaBancaria cuenta = new CuentaBancaria(250);
58         cuenta.retirar(250);
59         assertEquals(0, cuenta.getSaldo(), 0.01);
60     }
61
62     @Test
63     public void testRetirarCero() {
64         CuentaBancaria cuenta = new CuentaBancaria(400);
65         cuenta.retirar(0);
66         assertEquals(400, cuenta.getSaldo(), 0.01);
67     }
68
69     @Test
70     public void testIngresarMM() {//Mucho mucho
71         CuentaBancaria cuenta = new CuentaBancaria(0);
72         cuenta.ingresar(214748);
73         assertEquals(214748, cuenta.getSaldo(), 0.01);
74     }
75 }
```

The screenshot shows the NetBeans IDE interface with the Output window active. The title bar says "PruebaJUnit - Apache NetBeans IDE 27". The Output window displays the command-line logs for a Maven build. It shows the execution of the "clean", "test", and "install" phases. The logs indicate that the build was successful, with 9 tests run and 0 failures. A message at the end of the logs says "Tests (9) finished successfully for project: PruebaJUnit".

```
cd C:\Users\GA\Documents\NetBeansProjects\PruebaJUnit
WARNING: A temporarily deprecated method in sun.misc.Unsafe has been called
WARNING: sun.misc.Unsafe::staticFieldBase has been called by org.codehaus.jackson.internal.asp.HiddenClassDefinition (file:/C:/Program%20Files/Apache%20Maven%203.6.3%20/bin/maven/lib/guice-5.1.0-classes.jar)
WARNING: sun.misc.Unsafe::staticFieldBase will be removed in a future release
Scanning for projects...
[INFO] ------------------------------------------------------------------------
[INFO] com.mycompany.PruebaJUnit >-----
[INFO] Building PruebaJUnit 1.0-SNAPSHOT
[INFO] from pom.xml
[INFO] [ jar ]
[INFO] --- resources:1.3:resources (default-resources) @ PruebaJUnit ---
[INFO] skip non existing resourceDirectory C:\Users\GA\Documents\NetBeansProjects\PruebaJUnit\src\main\resources
[INFO] --- compiler:1.3:compile (default-compile) @ PruebaJUnit ---
[INFO] Nothing to compile - all classes are up to date.
[INFO] --- resources:1.3:resources (default-testResources) @ PruebaJUnit ---
[INFO] skip non existing resourceDirectory C:\Users\GA\Documents\NetBeansProjects\PruebaJUnit\src\test\resources
[INFO] --- compiler:1.3:compile (default-testCompile) @ PruebaJUnit ---
[INFO] Recompiling the module because of changed source files.
[INFO] Compiling 1 source file with java (debug release 24) to target\test-classes
[INFO] --- surefire:3.2.6:test (default-test) @ PruebaJUnit ---
[INFO] Using auto detected provider org.apache.maven.surefire.junitplatform.JUnitPlatformProvider
[INFO] [junit-platform-provider]
[INFO] T E S T S
[INFO] -----
[INFO] Running modelo.CuentaBancariaTest
[INFO] Tests run: 9, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.054 s -- in modelo.CuentaBancariaTest
[INFO] Results:
[INFO] Tests run: 9, Failures: 0, Errors: 0, Skipped: 0
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.091 s
[INFO] Finished at: 2024-01-29T14:00:52+01:00
[INFO] -----
```

Tests (9) finished successfully for project: PruebaJUnit
Open Test Results Window

Robustez:

The screenshot shows the Apache NetBeans IDE interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, and a search bar. The bottom status bar shows system information like battery level (90%), signal strength, and date/time (14:28 29/01/2026).
The left sidebar displays the 'Projects' tree, which includes several Java projects such as 'ArrayList', 'Calculadora+', 'Centro comercial', 'contVocales', 'Ejer6', 'func1', 'JavaApplication1', 'JavaApplication3', 'mavenproject1EDDD', 'mavenproject1EDD', 'PruebasJUnit', and 'PruebasJUnitTest'.
The main editor area shows Java code for a test class named 'CuentaBancariaTest.java'. The code uses JUnit annotations (@Test) to define several test methods: 'testIngresarSaldo', 'testRetirarNoSaldo', and 'testOperaciones'. It also includes assertions like 'assertEquals' to verify the state of a 'CuentaBancaria' object after various operations.

This screenshot shows the Apache NetBeans IDE interface with the 'Output' window open. The title bar indicates the project is 'PruebasJUnit - Apache NetBeans IDE 27'. The bottom status bar shows system information.
The 'Output' window displays the Maven build logs for the 'PruebasJUnit' project. It starts with a 'Scanning for projects...' message, followed by the 'Building PruebasJUnit 1.0-SNAPSHOT' command. The log shows the execution of various Maven goals: 'resources:3.3.1:resources', 'compiler:3.13.0:compile', 'surefire:3.2:Stest', and 'junit:junit'. It also shows the compilation of source files and the execution of unit tests. The output concludes with a 'BUILD SUCCESS' message and the total build time (2.642 s) and completion time (2026-01-29T14:28:31+01:00).