**Arrange-Act-Assert (AAA) Pattern with Setup and Teardown in JUnit**

**📘 Scenario**

This project demonstrates how to write clean, structured unit tests using:

* The **Arrange-Act-Assert (AAA)** pattern.
* @BeforeEach and @AfterEach annotations in **JUnit 5** for reusable setup and teardown logic.

**📁 Files**

* Calculator.java – Core class with basic add() and subtract() methods.
* CalculatorTest.java – JUnit 5 test class applying AAA and lifecycle annotations.
* pom.xml – Maven project file with JUnit 5 dependency.

**✅ Sample Output**

yaml

CopyEdit

Setup complete

Test finished

Setup complete

Test finished

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T E S T S

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Running CalculatorTest

Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.012 sec

Results:

Tests run: 2, Failures: 0, Errors: 0, Skipped: 0

BUILD SUCCESS