**JUnit Test Explanation**

The purpose of using **JUnit** in this project is to validate the behaviour of individual methods (unit testing) to ensure they work correctly under various conditions. We use **JUnit 4**, which provides annotations and assertions to organize and verify tests.

The class Calculator is to be tested it has two methods

* add() - adds two values
* subtract() – gives difference of two values
* multiply() – gives product of two values
* divide() – divides two values

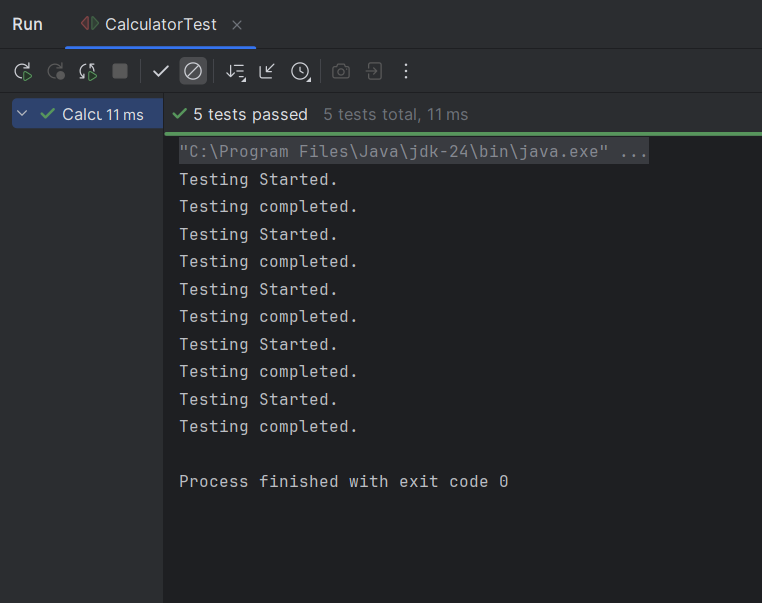
The class AssertionsTest is created to validate different test results using different assertions

Each test method follows the AAA pattern:

* **Arrange:** Set up the necessary inputs and objects.
* **Act:** Call the method being tested.
* **Assert:** Verify the result using assertions.

@Before and @After annotations are used to manage resources before and after each test.

**Testing Result**

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