**WEEK-2**

**Exercise 4: Teardown Methods in JUnit**

**1)** **Teardown Methods**

**CODE:**

**Calculator.java:**

package calculator;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

}

**CalculatorTest.java:**

**package** calculator;

**import** org.junit.jupiter.api.\*;

**import** **static** org.junit.jupiter.api.Assertions.\*;

**public** **class** CalculatorTest {

Calculator calc;

@BeforeEach

**void** setUp() {

System.***out***.println("Setting up...");

calc = **new** Calculator();

}

@Test

**void** testAdd() {

**int** result = calc.add(3, 4);

*assertEquals*(7, result);

}

@AfterEach

**void** tearDown() {

System.***out***.println("Cleaning up after test...");

calc = **null**; // free the reference

}

@AfterAll

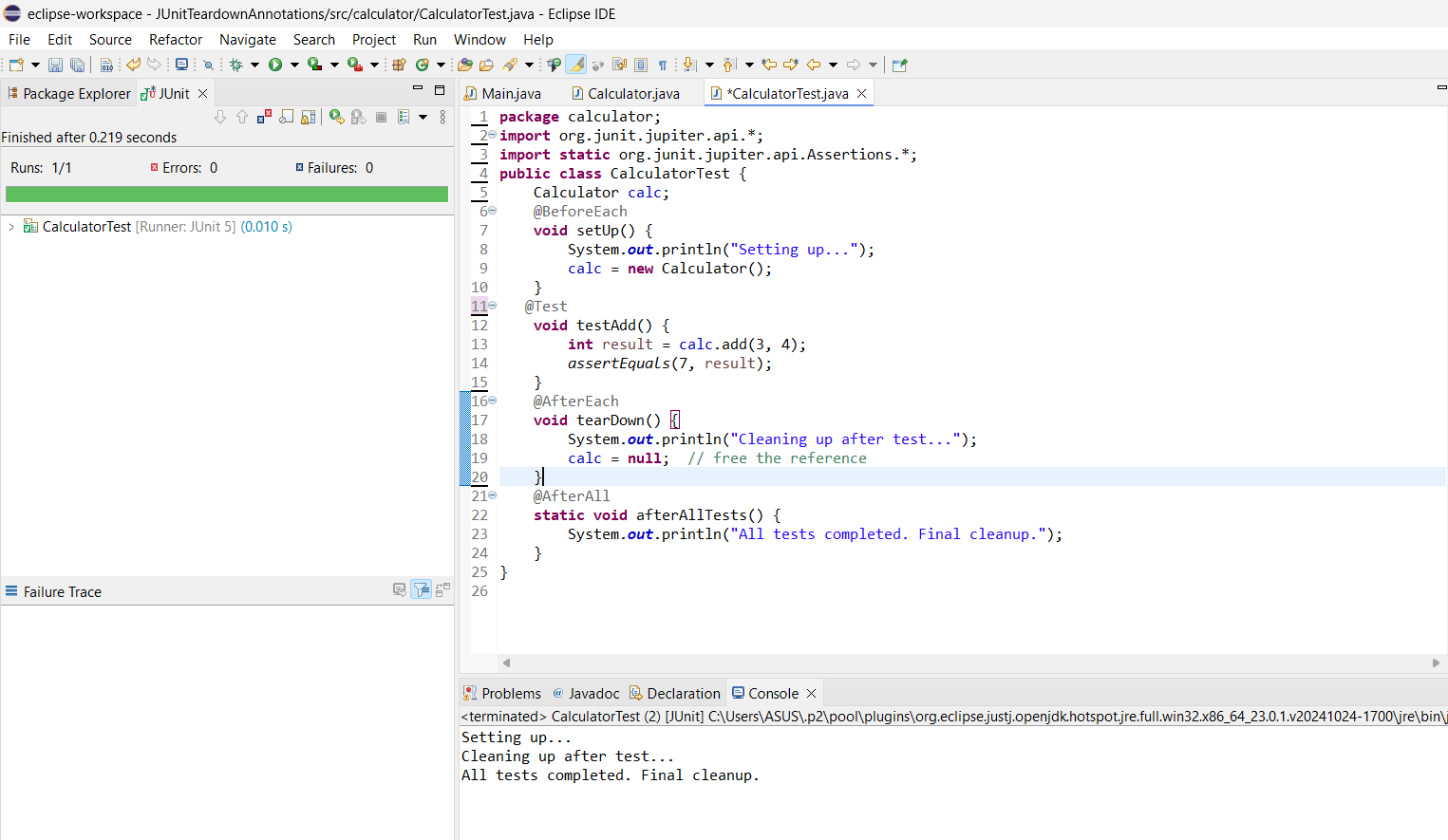
**static** **void** afterAllTests() {

System.***out***.println("All tests completed. Final cleanup.");

}

}

**OUTPUT:**

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