# Exercise 4: AAA Pattern, Test Fixtures, Setup and Teardown

AAA Pattern:

- Arrange: Set up the test data and environment.  
- Act: Call the method being tested.  
- Assert: Check the result.

Sample Code:

import org.junit.jupiter.api.\*;  
  
import static org.junit.jupiter.api.Assertions.\*;  
  
public class CalculatorTest {  
  
 Calculator calculator;  
  
 @BeforeEach  
 void setUp() {  
 calculator = new Calculator();  
 }  
  
 @Test  
 void testAddition() {  
 int result = calculator.add(2, 3);  
 assertEquals(5, result);  
 }  
  
 @AfterEach  
 void tearDown() {  
 System.out.println("Test completed.");  
 }  
}  
  
class Calculator {  
 int add(int a, int b) {  
 return a + b;  
 }  
}

