Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in Junit

1. Open VS Code.
2. Press Ctrl + Shift + P and select Java: Create Java Project.
3. Choose Maven.
4. Select a workspace folder.
5. Enter the required groupId (e.g., com.example) and artifactId (e.g., JUnitDemo).
6. Click **Finish** to generate the project structure.

import org.junit.Before;

import org.junit.After;

import org.junit.Test;

import com.example.Calculator;

import static org.junit.Assert.\*;

public class CalculatorTest {

private Calculator calc;

@Before

public void setUp() {

calc = new Calculator();

System.out.println("Setup complete.");

}

@After

public void tearDown() {

calc = null;

System.out.println("Teardown complete.");

}

@Test

public void testAddition() {

int result = calc.add(10, 5);

assertEquals(15, result);

}

@Test

public void testSubtraction() {

int result = calc.subtract(10, 5);

assertEquals(5, result);

}

}

A screenshot of a computer

AI-generated content may be incorrect.