package com.ecommerce.tests;

public class Calculator

{

    public *int* add(*int* *a*, *int* *b*) {

        return *a* + *b*;

    }

}

package com.ecommerce.tests;

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

import org.junit.jupiter.api.AfterAll;

import org.junit.jupiter.api.BeforeAll;

import org.junit.jupiter.api.Test;

import org.junit.platform.runner.JUnitPlatform;

import org.junit.runner.RunWith;

@DisplayName("JUnit 5 Nested Example")

@RunWith(JUnitPlatform.class)

public class NestedCases {

    @BeforeAll

    static *void* beforeAll() {

        System.out.println("Before all test methods");

    }

    @BeforeEach

*void* beforeEach() {

        System.out.println("Before each test method");

    }

    @AfterEach

*void* afterEach() {

        System.out.println("After each test method");

    }

    @AfterAll

    static *void* afterAll() {

        System.out.println("After all test methods");

    }

    @Nested

    @DisplayName("Tests for the method A")

    class A {

        @BeforeEach

*void* beforeEach() {

            System.out.println("Before each test method of the A class");

        }

        @AfterEach

*void* afterEach() {

            System.out.println("After each test method of the A class");

        }

        @Test

        @DisplayName("Example test for method A")

*void* sampleTestForMethodA() {

            System.out.println("Example test for method A");

        }

        @Nested

        @DisplayName("When X is true")

        class WhenX {

            @BeforeEach

*void* beforeEach() {

                System.out.println("Before each test method of the WhenX class");

            }

            @AfterEach

*void* afterEach() {

                System.out.println("After each test method of the WhenX class");

            }

            @Test

            @DisplayName("Example test for method A when X is true")

*void* sampleTestForMethodAWhenX() {

                System.out.println("Example test for method A when X is true");

            }

        }

    }

}

package com.ecommerce.tests;

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

import org.junit.jupiter.api.AfterAll;

import org.junit.jupiter.api.BeforeAll;

import org.junit.jupiter.api.Test;

import org.junit.platform.runner.JUnitPlatform;

import org.junit.runner.RunWith;

import static org.junit.jupiter.api.Assertions.assertEquals;

@DisplayName("JUnit 5 Repeated Tests Example")

@RunWith(JUnitPlatform.class)

public class RepeatedTests {

         @BeforeAll

            public static *void* init(){

                System.out.println("Before All init() method called");

            }

            @BeforeEach

            public *void* initEach(){

                System.out.println("Before Each initEach() method called");

            }

            @Test

            @DisplayName("Add operation test")

            @RepeatedTest(5)

*void* addNumber(TestInfo *testInfo*) {

                Calculator calculator = new Calculator();

                Assertions.assertEquals(2, calculator.add(1, 1), "1 + 1 should equal 2");

                System.out.println("===addNumber testcase executed===");

            }

            @AfterEach

            public *void* cleanUpEach(){

                System.out.println("After Each cleanUpEach() method called");

            }

            @AfterAll

            public static *void* cleanUp(){

                System.out.println("After All cleanUp() method called");

            }

}

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        <version>1.2.0</version>

    </dependency>

  </dependencies>

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