Test driven development and Logging framework

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Exercise 2: Writing Basic JUnit Tests

1. Create a new Java class with some methods to test.

package com.example.JUnitFixed;

public class Calculator {

public int add(int a, int b) {

return a + b;

}

public int subtract(int a, int b) {

return a - b;

}

}

2. Write JUnit tests for these methods.

package com.example.JUnitFixed;

import org.junit.BeforeClass;

import org.junit.Test;

import static org.junit.Assert.\*;

public class CalculatorTest {

static Calculator calc;

@BeforeClass

public static void setup() {

System.out.println("💡 JUnit Test is starting...");

calc = new Calculator();

}

@Test

public void testAddition() {

System.out.println("Running testAddition");

assertEquals(10, calc.add(7, 3));

}

@Test

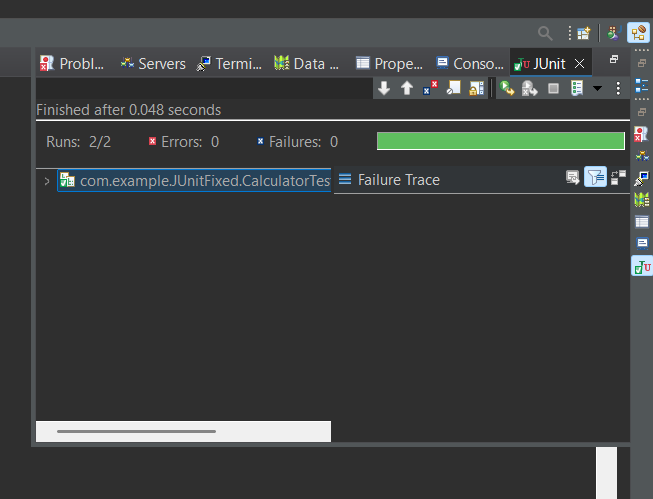
public void testSubtraction() {

System.out.println("Running testSubtraction");

assertEquals(4, calc.subtract(10, 6));

}

}

Output:

A screenshot of a computer

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