// Calculator.java

public interface Calculator {

int add(int a, int b);

default int subtract(int a, int b) {

return a - b;

}

default int multiply(int a, int b) {

return a \* b;

}

}

// BasicCalculator.java

public class BasicCalculator implements Calculator {

@Override

public int add(int a, int b) {

return a + b;

}

}

// CalculatorTest.java

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

import org.junit.jupiter.api.Test;

public class CalculatorTest {

@Test

public void testAdd() {

Calculator calculator = new BasicCalculator();

assertEquals(5, calculator.add(2, 3), "2 + 3 should be equal to 5");

}

@Test

public void testSubtract() {

Calculator calculator = new BasicCalculator();

assertEquals(-1, calculator.subtract(2, 3), "2 - 3 should be equal to -1");

}

@Test

public void testMultiply() {

Calculator calculator = new BasicCalculator();

assertEquals(6, calculator.multiply(2, 3), "2 \* 3 should be equal to 6");

}

}