public class MathUtils {

public int multiply(int a, int b) {

return a \* b;

}

}

import org.junit.jupiter.api.BeforeEach;

import org.junit.jupiter.api.AfterEach;

import org.junit.jupiter.api.Test;

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

public class MathUtilsTest {

private MathUtils mathUtils;

@BeforeEach

void setUp() {

mathUtils = new MathUtils();

System.out.println("Setting up before each test.");

}

@AfterEach

void tearDown() {

System.out.println("Cleaning up after each test.");

}

@Test

void testMultiply() {

// Arrange

int a = 4;

int b = 5;

// Act

int result = mathUtils.multiply(a, b);

// Assert

assertEquals(20, result, "4 \* 5 should equal 20");

}

}

OUTPUT:

Setting up before each test.

Cleaning up after each test.

Tests passed: 1 of 1 test