package Junit;

public class MathUtils {

public int multiply(int a, int b) {

return a \* b;

}

public boolean isEven(int number) {

return number % 2 == 0;

}

public int divide(int a, int b) {

return a / b; // will throw ArithmeticException on divide by zero

}

}

package Junit;

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

import org.junit.jupiter.api.Test;

public class MathUtilsTest {

@Test

public void testMultiply() {

MathUtils mu = new MathUtils();

assertEquals(20, mu.multiply(4, 5));

}

@Test

public void testIsEven() {

MathUtils mu = new MathUtils();

assertTrue(mu.isEven(6));

assertFalse(mu.isEven(7));

}

@Test

public void testDivide\_ThrowsException() {

MathUtils mu = new MathUtils();

assertThrows(ArithmeticException.class, () -> mu.divide(5, 0));

}

}

**OUTPUT:**

