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STUDENT REPORT

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# DETAILS

SHIVAMANI B

**Roll Number** 

3BR23CD089

### **EXPERIMENT**

### Title

SIGNATURE FOR LCM

#### **Description**

Given two numbers a and b. Find the GCD and LCM of and b.

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Input:

• Two positive integers a and b (1 <=a, b <=1000)

Output:

For GCD function, an integer representing the GCD of a 'and b

For LCM function, an integer representing the LCM of a and b

#### **Sample Input:**

12 18

#### **Output:**

36

#### **Explanation:**

The GCD of 12 and 18 is 6. The LCM of 12 and 18 is 36.

## Source Code: 3BR23CD0893BR23CD0893BR22 38R23CD0893BR23CD~

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```
import math

def gcd(a, b):
    return math.gcd(a, b)

def lcm(a, b):
    return (a * b) // gcd(a, b)

# Input reading
a, b = map(int, input().split())

# Calculate GCD and LCM
gcd_value = gcd(a, b)
lcm_value = lcm(a, b)
print(gcd_value)
print(lcm_value)

RESULT

5/5 Test Cases Passed | 100 %
```