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## STUDENT REPORT

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# DETAILS N

N SHAHINAZ

#### **Roll Number**

3BR23CS106

### **EXPERIMENT** Title

100

SIGNATURE FOR LCM

#### **Description**

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

#### 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. 38R23C51063BR23C510633V

# Source Code: 38R23C510638R23C510638R23 3BR23C51063BR23C51

36 3BR23C5106 3BR23C51 3BR23C51065BR23C51065BR23C 3BR23C51063BR23C51063BR23C51V

https://practice.reinprep.com/student/get-report/2953bc3b-7b2d-11ef-ae9a-0e411ed3c76b

```
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 %
```