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MOUNIKA Y R

**Roll Number** 

3BR23CS104

## **EXPERIMENT**

Title

**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. NOA 3BR23C510A 3BR23C5 38R23C510A3BR23C510A3BR23C51V 3BR23C510A3BR23C 38R23C510A3BR23C510A3BR23C510A3V

Source Code: 3BR23C510A3BR23C510A3BR23 3BR23C510A3BR23C51

```
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 %

RESULT

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