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### STUDENT REPORT

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# DETAILS .

SARASWATH H D

#### **Roll Number**

3BR23CS139

## **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. AND SERVICE TO SERVICE 38R23C51393BR23C51393BR23C51393V

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## Source Code: 38R23C5\393RR23C5\

3. BR23. C5139 3. Br2 https://practice.reinprep.com/student/get-report/9e4df2dc-7bbb-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 %
```