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## DETAILS

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Roll Number

22BI24EC405-T

## **EXPERIMENT**

Title

SIGNATURE FOR LCM

**Description** 

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

228

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. A05-T 22B12AECA05-T 22B12AECA05-T 22B12 22B12AECA05-T 22 22812AECA05-T 22812AECA05-T 22812AEC

Source Code: 22812AECA05-122812A-22812AECAO5-7 22812AECAO5-7

```
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 %
```