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9/27/24, 11:35 PM Logo STUDENT REPORT DETAILS PRIYANKA G BRZS 500 Roll Number 3BR23CD071 **EXPERIMENT** Title 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

Source Code:

**Explanation:** 

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

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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())

gcd_value = gcd(a, b)
    lcm_value = lcm(a, b)

print(gcd_value)
print(lcm_value)

RESULT

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