Logo

CROL

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FOZ

# DETAILS

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#### Roll Number

3BR23CA025

### **EXPERIMENT**

## Title

SIGNATURE FOR LCM

#### Description

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

BRZS

#### 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. 3BR23CA0253BR23CA0253BR23CA05 38R23CA02538R23CA02538R23CA0253

# 3BR23CA0253BR23CA0253BR22. 38R23CA0253BR23CAV

3BR23CAO25 38R23CA0253BR23CA0253BR23CA0253BR23CA0253 https://practice.reinprep.com/student/get-report/59089ef8-7d6b-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 %
```