CSED

UBZ

355E018 KUB23C5E018 KUB23C5E01

2018



STUDENT REPORT

18 F

823

# DETAILS

#### Name

**B SHRINIVAS** 

Roll Number

KUB23CSE018

## **EXPERIMENT**

Fitle

SIGNATURE FOR LCM

Description

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

SEOT

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. .018 KUB23C5E018 K

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Source Code: LUB23C5E018 KUB23C5E018 KUE KU823C5E018 KU823C5.

```
def gcd(a, b):
    while b:
        a, b = b, a % b
        return a

def lcm(a, b):
        return abs(a * b) // gcd(a, b)

# Example usage
        a, b = map(int, input().strip().split())

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

print(gcd_value)
    print(gcd_value)
    print(lcm_value)

RESULT

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