28/21

2. A. D. P. A. B. P. P. A. B. P. P. A. B. P. P. A. B.

248 F2 AB 3 AB 12 AB 12

Bracsaot. 72812ACSAOT. 722812ACSAOT. 722812ACSAOT.

SAOI

## DETAILS

**B MD SAIF** 

Roll Number &

22BI24CS407-T

## **EXPERIMEN**

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

## **Explanation:**

The GCD of 12 and 18 is 6. The LCM of 12 and 18 is 36. 2.2822ACSAOT. 7.22812ACSAOT. 7.22812 22812ACSA01-T 22 6 AOT T 22812 ACS AOT T 22812 22812ACSA07-T 22812ACSA07-T 22812ACS

Source Code: 22812ACSAOT-T 22812A-

```
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 %
```