# STUDENT REPORT

## DETAILS

**Name**

DEVARAJ

**Roll Number**

KUB23CSE036

## 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:**

6

36

**Explanation:**

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

**Source Code:**

```
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 %