STUDENT REPORT

DETAILS

Name

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Roll Number

KUB23ECE037

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:

```
def gcd(a, b):

    while b:

        a, b = b, a % b
    return a

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

# Input reading
a, b = map(int, input().strip().split())

# Calculate GCD and LCM
gcd_value = gcd(a, b)
lcm_value = lcm(a, b)

# Print results
print(gcd_value)
print(lcm_value)
```

RESULT

5 / 5 Test Cases Passed | 100 %