



# STUDENT REPORT

## DETAILS

Name

SIDIGONDE BHARATH KUMAR

Roll Number

TEMPBTech-ECE004

## 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 ( $1 \leq a, b \leq 1000$ )

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)  
  
a, b = map(int, input().strip().split())  
  
  
gcd_value = gcd(a, b)  
lcm_value = lcm(a, b)  
  
  
print(gcd_value)  
print(lcm_value)
```

RESULT

5 / 5 Test Cases Passed | 100 %