Logo

STUDENT REPORT

DETAILS

Name

NIVEDITHA

Roll Number

3BR23CA076

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,d):
    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 %