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STUDENT REPORT

382

DETAILS

Teja V

Roll Number

3BR23EE104

EXPERIMEN

OA

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. 38R23EE10A3BR23EE10A3BR23EE10A33*

Source Code: 3BR23EE10A3BR23EE10A3BR22. 3BR23EE10A3BR23EE.

```
def gcd(a, b):
                             while b:
                                                            a, b = b, a \% b
                              return a
def lcm(a, b):
                                return abs(a * b) // gcd(a, b)
# Example usage
if __name__ == "__main__":
                             import sys
                              a, b = map(int, sys.stdin.readline().strip().split())
                              result_gcd = gcd(a, b)
                              result_lcm = lcm(a, b)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28R23EEL, 28R23E
                              print(result_gcd)
                               print(result_lcm)
```

RESULT

5 / 5 Test Cases Passed | 100 %