<u>Dashboard</u> / My courses / <u>ML and DA</u> / <u>Batch ID : ML-7 Question Link & Upload Link</u> / <u>Question Link 1</u>

Started on Monday, 18 April 2022, 12:00 PM

State Finished

Completed on Monday, 18 April 2022, 12:08 PM

Time taken 8 mins 3 secs

Marks 1.00/1.00

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Write python code to find the Least Common Multiple among given two numbers.

Answer: (penalty regime: 0 %)

```
1 def lcm(a, b):
 2 v
        if a > b:
 3
            greater = a
 4 ▽
        else:
 5
            greater = b
        while(True):
 6 ₹
            if((greater % a == 0) and (greater % b == 0)):
 7 🔻
                lcm = greater
 8
 9
                break
10
            greater += 1
11
        return lcm
   a = int(input())
12
   b = int(input())
13
   print("The L.C.M. is", lcm(a, b))
14
```

	Input	Expected	Got	
~	54 24 The L.C.M. is 216	54 24 The L.C.M. is 216	54 24 The L.C.M. is 216	~
*	568 928 The L.C.M. is 65888	568 928 The L.C.M. is 65888	568 928 The L.C.M. is 65888	~
~	8 7 The L.C.M. is 56	8 7 The L.C.M. is 56	8 7 The L.C.M. is 56	*

Passed all tests! 🗸

Question author's solution (Python3):

```
1 
def compute_lcm(x, y):
 2 🔻
       if x > y:
 3
           greater = x
 4 »
       else:
 5
           greater = y
 6 🔻
       while(True):
 7 🔻
           if((greater % x == 0) and (greater % y == 0)):
               lcm = greater
 8
 9
               break
10
           greater += 1
11
      return lcm
12 | num1 = int(input())
13
   num2 = int(input())
14 print("The L.C.M. is", compute_lcm(num1, num2))
```



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Question Link 2 ▶