

Online Test Window

https://tests.mettl.com/v2/test-window/open/0/0?key=87c41143

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P.M.Shakthi priya
LP_Practice_NoOfPrimesInRange / Saved: 60 seconds ago

Test Time: 00:39:57

Finish Test

1. Program

Question 1

Revisit Later

How to Attempt?

Number of Prime numbers in a specified range.
Write a function to find the count of the number of prime numbers in a specified range. The starting and ending number of the range will be provided as input parameters to the function.
Assumption: 2 <= starting number of the range <= ending number of the range <= 7919
Example1: If the starting and ending number of the range is given as 2 and 20, the method must return 8, because there are 8 prime numbers in the specified range from 2 to 20, namely (2, 3, 5, 7, 11, 13, 17, 19)
Example2: If the starting and ending number of the range is given as 700 and 725, the method must return 3, because there are 3 prime numbers numbers in the specified range from 700 to 725, namely (701, 709, 719)

Attempted: 1/1

JAVA7

Compiler: Java - 1.7

```
3
4 // Read only region start
5 class UserMainCode
6 {
7
8     public int countPrimesInRange(int input1,int input2){
9         // Read only region end
10        int count = 0;
11
12        for (int num = input1; num <= input2; num++) {
13            if (isPrime(num)) {
14                count++;
15            }
16        }
17
18        return count;
19    }
20
21    public static boolean isPrime(int number) {
22        if (number <= 1) {
23            return false;
24        }
25
26        for (int i = 2; i <= Math.sqrt(number); i++) {
27            if (number % i == 0) {
28                return false;
29            }
30        }
31
32        return true;
33    }
34 }
35
```

☐ Use Custom Input

Compile and Test

Submit Code

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