

# LP\_Practice\_NoOfPrimesInARange

Ramya.V | 09 Feb 2023



Finish State: Normal

Test Taken on: February 09, 2023 09:27:25 AM IST



Ramya.V  
ramya.v.2020.cse@ritchennai.edu.in

Overall Summary

40 Marks Scored  
out of 40

100 % 100 percentile  
out of 52145 Test Takers

53m 56s Time taken  
of 1hr 5mins

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



This shows the correctness of questions attempted by the test taker

|                   |        |             |
|-------------------|--------|-------------|
| Correct           | 1 Ques | 40/40 Marks |
| Incorrect         | 0 Ques | 0/0 Marks   |
| Partially Correct | 0 Ques | 0/0 Marks   |
| Not Attempted     | 0 Ques | 0/0 Marks   |

Section-Wise Details

|                           |                     |                                 |                         |
|---------------------------|---------------------|---------------------------------|-------------------------|
| ▼<br>Section 1<br>Program | question(s)<br>1 Q. | Time taken<br>53m 56s (Untimed) | Marks Scored<br>40 / 40 |
|---------------------------|---------------------|---------------------------------|-------------------------|

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



|           |        |             |
|-----------|--------|-------------|
| ■ Correct | 1 Ques | 40/40 Marks |
|-----------|--------|-------------|

This shows the correctness of questions attempted by the test taker

Test Log

9th Feb 2023

08:31 AM  Started the test with Program

09:25 AM  Finished the test

## About the Report

This Report is generated electronically on the basis of the inputs received from the assessment takers. This Report including the AI flags that are generated in case of availing of proctoring services, should not be solely used/relied on for making any business, selection, entrance, or employment-related decisions. Mettl accepts no liability from the use of or any action taken or refrained from or for any and all business decisions taken as a result of or reliance upon anything, including, without limitation, information, advice, or AI flags contained in this Report or sources of information used or referred to in this Report.



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 in the specified range from 700 to 725, namely (701, 709, 719)

JAVA7

Compiler: Java - 1.7

```
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 k=0,count=0;
11        while(input1<=input2)
12        {
13            for(int i=2;i<input1;i++)
14            {
15                if(input1%i==0)
16                {
17                    k++;
18                }
19            }
20            if(k==0)
21            {
22                count++;
23            }
24            input1++;
25            k=0;
26        }
27        return count++;
28    }
29 }
30
```

☐ Use Custom Input

ⓘ

Compile and Test

Submit Code

1. Program

1

Attempted: 1/1

## 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)

## ✓ Default 2

## ⌚ CODE EXECUTION DETAILS

Time: 172 ms

Memory: 103812 kb

## 🔗 TEST CASE INFORMATION

Input

700,730

Expected Output

4

Actual Output

4

## &gt;\_ CONSOLE OUTPUT

## 📄 STANDARD ERROR/WARNING

None

## ✓ Default 1