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)

JAVA7 | Compiler: Java - 1.7

```
1  import java.io.*;
2  import  java.util.*;
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     int pcount=0;
12    for(int i=input1;i<=input2;i++){
13
14    count=0;
15  for(int j=2;j<=Math.sqrt(i);j++) {
16
17  if(i%j--0)
18    count++;
19    }
20  if(count==0)
21    pcount++;
22    }
23    return pcount;
24      }
25  }
26
```

Use Custom Input

Compile and Test | Submit Code

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Use Custom Input

Compile and Test

Submit Code

Code Execution | Code History

0/2 - Sample Test Cases Failed

Default 2

CODE EXECUTION DETAILS
Time: 467 ms
Memory: 103812 kb

TEST CASE INFORMATION
Input
700,730
Expected Output
4
Actual Output
4

CONSOLE OUTPUT

STANDARD ERROR/WARNING
None

Default 1

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Revisit Later

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Use Custom Input

Compile and Test

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Code Execution | Code History

0/8 - Graded Test Cases Failed

- Corner 2
- Corner 1
- Necessary 2
- Necessary 1
- Basic 4
- Basic 3
- Basic 2
- Basic 1