

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: $2 \leq$ starting number of the range \leq 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)

✓ Corner 2

✓ Corner 1

✓ Necessary 2

✓ Necessary 1

✓ Basic 4

✓ Basic 3

✓ Basic 2

✓ Basic 1

1. Program

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

JAVA7

Compiler: Java - 1.7

```
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