

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)

C

Compiler: gcc 5.4.0

```
1 #include<stdio.h>
2 #include<string.h>
3 // Read only region start
4
5 int countPrimesInRange(int input1,int input2)
6 {
7     // Read only region end
8     int count=0;
9     int pcount=0;
10    for(int i=input1;i<=input2;i++){
11        {
12            count=0;
13            for(int j=2;j<='Math'.sqrt(i);j++) {
14                if(i%j==0)
15                    count++;
16            }
17            if(count==0)
18                pcount++;
19        }
20        return count;
21    }
22 }
23
```

☐ Use Custom Input

①

Compile and Test

Submit Code