1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

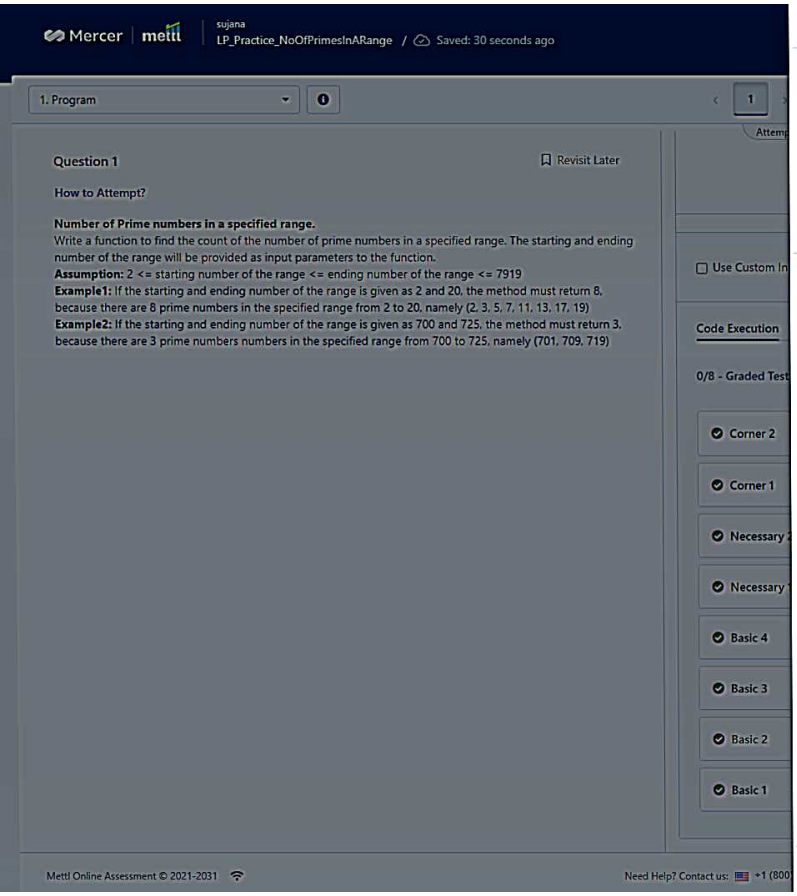
Number of Prime numbers in a specified range.
Write a function to find the count of the number of prime numbers in a specified range. The starting and ending number of the range will be provided as input parameters to the function.
Assumption: 2 <= starting number of the range <= ending number of the 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}

JAVA8 | Compiler: Java - 1.8

```
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         // Write code here...
11     int count=0;
12     int pcount=0;
13     for(int i=input1;i<=input2;i++){
14
15      count=0;
16     for(int j=2;j<=Math.sqrt(i);j++) {
17
18     if(i%j==0)
19       count++;
20      }
21     if(count==0)
22       pcount++;
23      }
24     return pcount;
25     }
26 }
27
28
```

Use Custom Input

Compile and Test | Submit Code


Mercer | mettl
sujana
LP_Practice_NoOfPrimesInARange / Saved: 30 seconds ago
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1
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Use Custom In
Code Execution
0/8 - Graded Test
Corner 2
Corner 1
Necessary 2
Necessary 1
Basic 4
Basic 3
Basic 2
Basic 1
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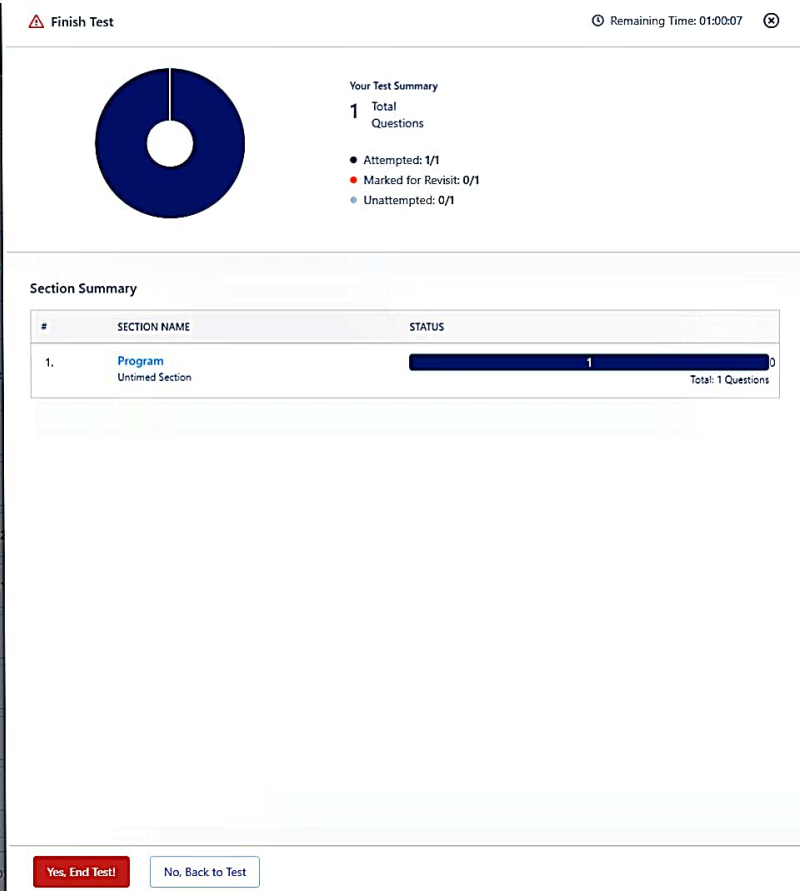
Finish Test
Remaining Time: 01:00:07
Your Test Summary
1 Total Questions
Attempted: 1/1
Marked for Revisit: 0/1
Unattempted: 0/1
Section Summary
SECTION NAME STATUS
1. Program
Untimed Section
1
0
Total: 1 Questions
Yes, End Test!
No, Back to Test