

1. Program

< 1 >

Attempted: 1/1

JAVA8

Compiler: Java - 1.8

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Question 1

🔖 Revisit Later

How to Attempt?

pyNth Prime

Write a function that finds and returns the Nth prime number, N will be passed as input to the function.

Assumption: $1 \leq N \leq 1000$, where N is the position of the prime number

The first prime number is 2
The second prime number is 3
The third prime number is 5
The fourth prime number is 7
The fifth prime number is 11
... and so on.

Example1: If the given number N is 10, the method must return the 10th prime number i.e. 29**Example2:** If the given number N is 13, the method must return the 13th prime number i.e. 41

```
1  import java.io.*;
2  import java.util.*;
3
4  // Read only region start
5  class UserMainCode
6  {
7
8      public int NthPrime(int input1){
9          // Read only region end
10         // Write code here...
11         int count=0, pcount=0, i;
12         for (i=2; i<=100000; 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             if (pcount==input1)
23                 break;
24         }
25         return i;
26     }
27 }
28 }
```

☐ Use Custom Input

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Compile and Test

Submit Code

Mercer

mettl

sujana

LP_Practice_NthPrime / Saved: 0 seconds ago

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Example2: If the given number N is 13, the method must return the 13th prime number i.e, 41

JAVAB

1 import
2 import
3
4 // Read
5 class U
6 {
7
8 pub
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27 }
28 }

☐ Use Custom In

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Finish Test

Remaining Time: 00:59:00

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	<div>1</div> <div>Total: 1 Questions</div>

Yes, End Test!

No, Back to Test