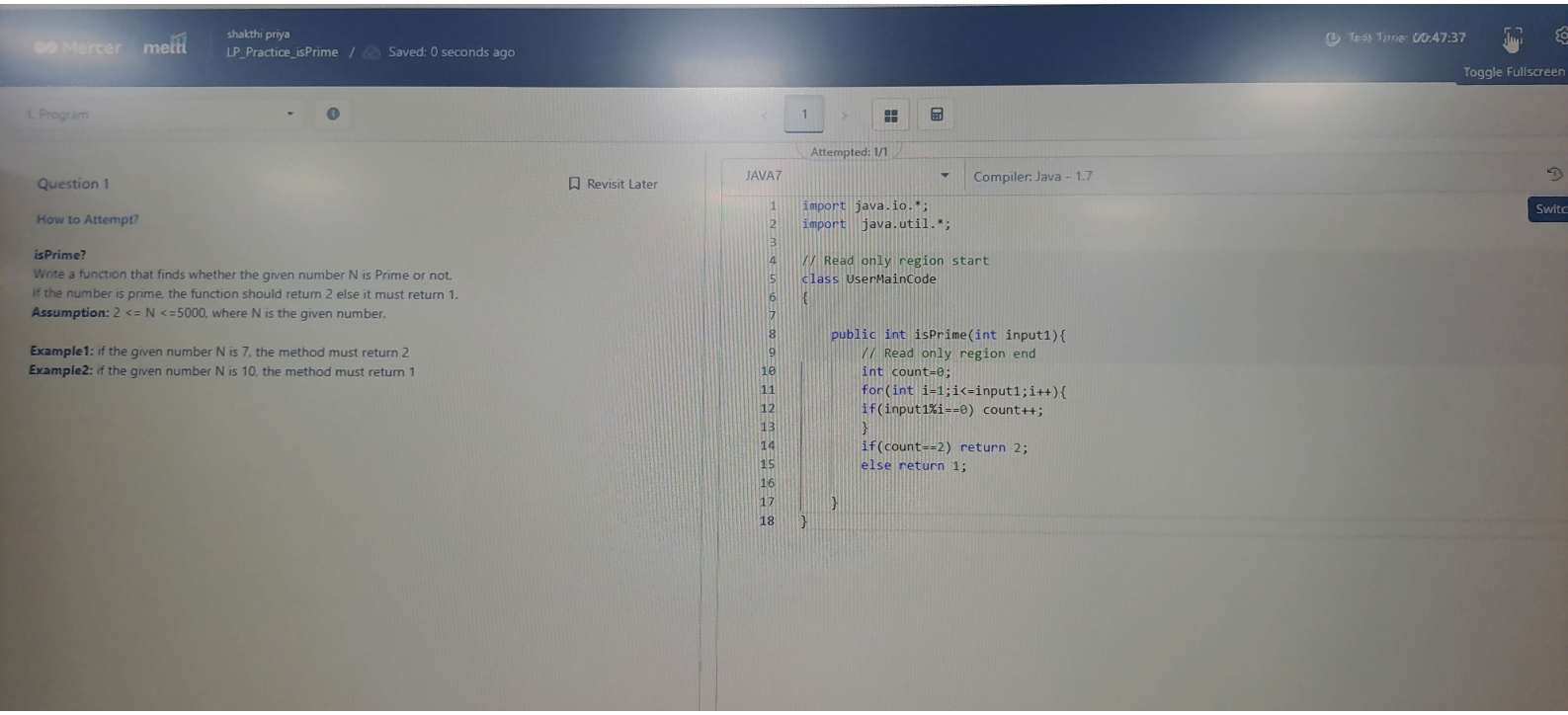

Mercer
mettl
shakthi priya
LP_Practice_isPrime / Saved: 0 seconds ago
Test Time: 00:47:37
Toggle Fullscreen
1. Program
1
Attempted: 1/1
Question 1
Revisit Later
How to Attempt?
isPrime?
Write a function that finds whether the given number N is Prime or not.
If the number is prime, the function should return 2 else it must return 1.
Assumption: 2 <= N <=5000, where N is the given number.
Example1: if the given number N is 7, the method must return 2
Example2: if the given number N is 10, the method must return 1
JAVA7
Compiler: Java - 1.7
Switc
1 import java.io.*;
2 import java.util.*;
3
4 // Read only region start
5 class UserMainCode
6 {
7
8 public int isPrime(int input1){
9 // Read only region end
10 int count=0;
11 for(int i=1;i<=input1;i++){
12 if(input1%i==0) count++;
13 }
14 if(count==2) return 2;
15 else return 1;
16
17 }
18 }

Mercer | mettl

shakthi priya

LP_Practice_nFactorial / Saved: 0 seconds ago

Test Time:

1. Program

1

Attempted: 1/1

Question 1

Revisit Later

How to Attempt?

FACTORIAL of a number

In mathematics, the factorial of a non-negative integer n, denoted by n!, is the product of all positive integers less than or equal to n. For example,

5! = 5 x 4 x 3 x 2 x 1 = 120
4! = 4 x 3 x 2 x 1 = 24
9! = 9 x 8 x 7 x 6 x 5 x 4 x 3 x 2 x 1 = 362880

Write a program to find the factorial of a given number.
The given number will be passed to the function as an input parameter of type int.
The function is expected to calculate the factorial of the given number and return it as an int type.

Assumptions for this program:
The given input number will always be greater than or equal to 1.
Due to the range supported by int, the input numbers will range from 1 to 12.

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 nFactorial(int input1){
9          // Read only region end
10 int i=1;
11         int x=1;
12         while(i<=input1){
13     x=x*i;
14     i++;
15 }
16     return x;
17
18     }
19 }
```

Mercer | mettl

shakthi priya

LP_Practice_NthFibonacci / Saved: 60 seconds ago

Test Time: 01:00:48

1. Program

Question 1

Revisit Later

How to Attempt?

nthFibonacci : Write a function to return the nth number in the fibonacci series.
The value of N will be passed to the function as input parameter.

NOTE: Fibonacci series looks like -
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, ... and so on.

i.e. Fibonacci series starts with 0 and 1, and continues generating the next number as the sum of the previous two numbers.

- first Fibonacci number is 0,
- second Fibonacci number is 1,
- third Fibonacci number is 1,
- fourth Fibonacci number is 2,
- fifth Fibonacci number is 3,
- sixth Fibonacci number is 5,
- seventh Fibonacci number is 8, and so on.

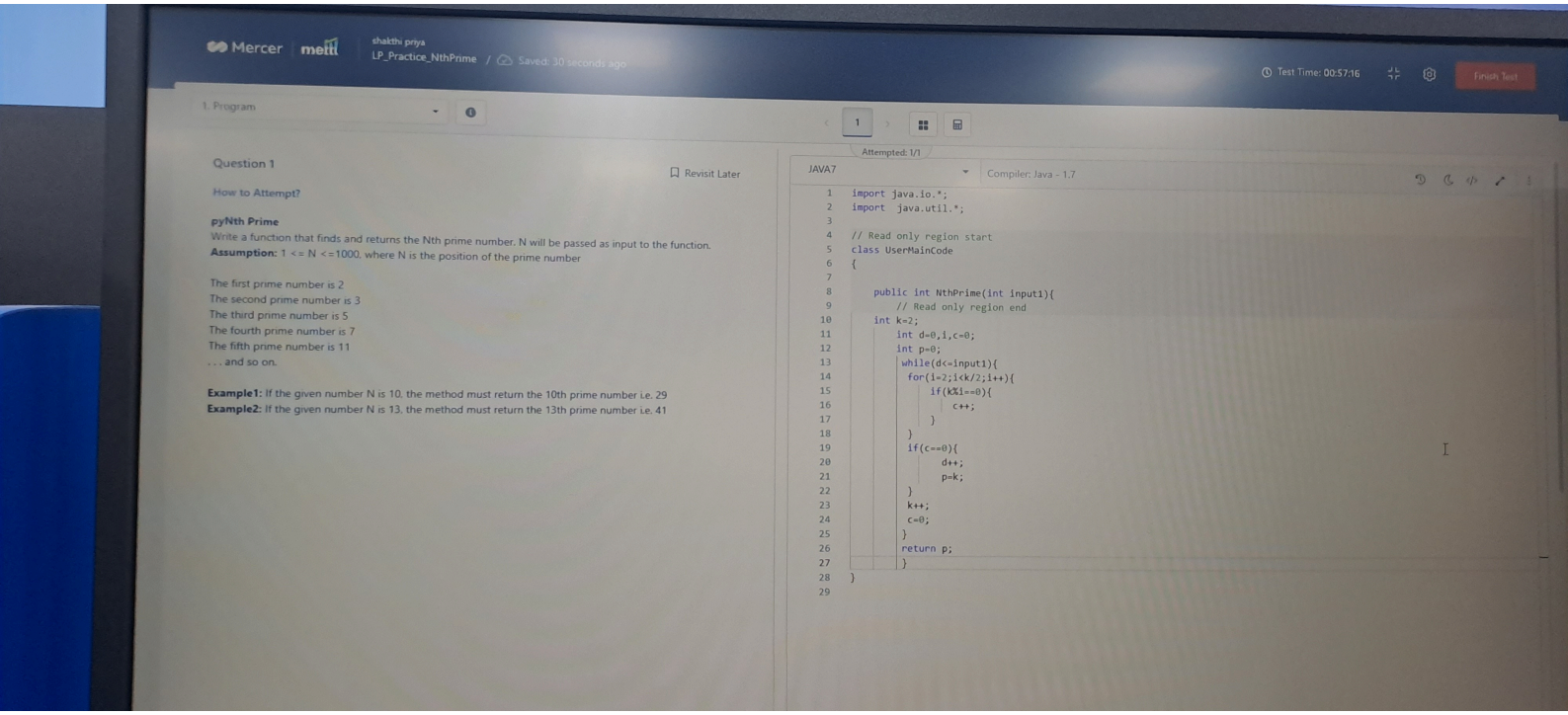
1

Attempted: 1/1

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 long nthFibonacci(int input1){
9          // Read only region end
10         // Write code here...
11                 int a=0;
12                 int b=1;
13                 int c=0;
14                 int d=3;
15                 while(d<=input1){
16                 c=a+b;
17                     a=b;
18                     b=c;
19                     d++;
20                 }
21                 return c;
22     }
23 }
```


Mercer | mettl
shakthi priya
LP_Practice_NthPrime / Saved: 30 seconds ago
Test Time: 00:57:16
Finish Test
1. Program
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 <= N <=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
Attempted: 1/1
JAVA7
Compiler: Java - 1.7
import java.io.*;
import java.util.*;
// Read only region start
class UserMainCode
{
public int NthPrime(int input1){
// Read only region end
int k=2;
int d=0,i,c=0;
int p=0;
while(d<=input1){
for(i=2;i<k/2;i++){
if(k%i==0){
c++;
}
}
if(c==0){
d++;
p=k;
}
k++;
c=0;
}
return p;
}
}