

1. Program

Question 1

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: $2 \leq N \leq 5000$, 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

Revisit Later

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 isPrime(int input1){
9         // Read only region end
10        // Write code here...
11        int count=0;
12        for(int i=2;i<=Math.sqrt(input1);i++)
13        {
14            if(input1%i==0)
15                count++;
16        }
17        if(count==0)
18            return 2;
19        else
20            return 1;
21        }
22    }
23 }
```

☐ Use Custom Input

Info

Compile and Test

Submit Code

1. Program

1

Attempted: 1/1

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0/2 - Sample Test Cases Failed

Default 2

CODE EXECUTION DETAILS

Time: 213 ms

Memory: 103812 kb

TEST CASE INFORMATION

Input

10

Expected Output

1

Actual Output

1

CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

Default 1

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1

Attempted: 1/1

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Code Execution Code History

0/8 - Graded Test Cases Failed

✓ Corner 2

✓ Corner 1

✓ Necessary 2

✓ Necessary 1

✓ Basic 4

✓ Basic 3

✓ Basic 2

✓ Basic 1