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STUDENT REPORT Logo

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38R23CD002 38R23CD002

38 Canada 38 Rolls Canada 38 R

023

30002

DETAILS

Name

A ROHAN SUDHAN

002

Roll Number

3BR23CD002

EXPERIMENT

Title

,002

2002

MATHS TEST Description

> Alice has a mathematics test for which she is underprepared. She has to do at least one question correctly to pass the test. He decides to do a question which needs her to find the smallest prime number which is larger than a given integer N. Your task is to find and return an integer value representing the smallest prime number larger than N.

Input Format:

input1: An integer value N

Output Format:

Return an integer value representing the smallest prime number larger than N.

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Sample Input

6

Sample Output

7

38R23CD00238R23CD00238R23CD00238b. 38R23CD0023RR23CD0022RR23CD0023RR23CD0022RR23CD002R22CD0022RR23CD0022RR22CD0022RR22CD0022RR22CD0022RR22CD0 3BR23CD0023BR23CD0023BR23

9/28/24, 10:44 AM

```
3BR23CD002-Maths Test
    def next_prime(N):
      num = N + 1
      while True:
        is_prime = True
        for i in range(2, int(num**0.5) + 1):
          if num % i == 0:
            is_prime = False
            break
        if is_prime:
          return num
        num += 1
    N = int(input())
    result = next_prime(N)
    print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```

https://practice.reinprep.com/student/get-report/2b160a35-7d58-11ef-ae9a-0e411ed3c76b