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BRZTS

STUDENT REPORT

CP

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DETAILS

Name

TANUSHREE H

Roll Number

3BR23CA110

EXPERIMENT

Title

13CA110

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.

38R23CA110 3R20CA110 3R20CA110

Sample Input

6

Sample Output

7

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38R23CA110 https://practice.reinprep.com/student/get-report/feeb12b5-7c23-11ef-ae9a-0e411ed3c76b

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9/27/24, 6:32 PM

```
3BR23CA110-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 %
```