384



### STUDENT REPORT

#### **DETAILS**

#### Name

M A KAIF

#### **Roll Number**

3BR23CS085

#### **EXPERIMENT**

**Title** 

35

## MATHS TEST

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.

38R23C5085 3BR23C5085 3BR23C5085

508.

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#### Sample Input

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#### **Sample Output**

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3BR23C50853BR23C

# Source Code: 3BR23C50853BR23C50853BR23C5085

1ed3c76\* 38R23C5085 3BR23C5085 3BR25C5085 https://practice.reinprep.com/student/get-report/1f65af04-7be0-11ef-ae9a-0e411ed3c76b

38RT

9/26/24, 1:59 PM

```
3BR23CS085-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)
RESUL
  5 / 5 Test Cases Passed | 100 %
```