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BRZTS

# STUDENT REPORT

CRO

### **DETAILS**

#### Name

CHETAN MELUSEEMA

25

#### **Roll Number**

3BR23CA025

# **EXPERIMENT**

**Title** 

# 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.

38R23CA0253BR23CA025BR23CA02

## Sample Input

6

## **Sample Output**

7

# 38R23CA0253BR23CA0253BR235 3BR23CA0253BR23CA0253BR23CA025. 3BR23CA0253BR23CA0253BR23CA0253.

11ed3o76\* 38R23CAQ15 3BR23CAQ15 

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```
3BR23CA025-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/baf05178-7bef-11ef-ae9a-0e411ed3c76b