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# STUDENT REPORT

## **DETAILS**

## Name

MANASA K

# **Roll Number**

3BR23EC090

## EXPERIMENT

### **Title**

# 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.

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## Sample Input

6

,903BR2

## **Sample Output**

7

# 38R23EC090 3BR23EC090 3BR23EC090 38R23EC090 3R20EC090 3R20E 3BR23EC090 3BR23EC090 3BR23E

38R23FC090 38R23EC090 3R22EC090 3R https://practice.reinprep.com/student/get-report/ec55a9d5-7bb4-11ef-ae9a-0e411ed3c76b

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```
3BR23EC090-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 %
```