384



STUDENT REPORT

DETAILS

Name

P AKASH

Roll Number

3BR23CS111

30

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.

38R23C5111 38R23C511 3R20C511 3R20

3BR23C5111 3BR23C511 3BR23C51 3BR23C

38R23C5111 3R23C5111 3R23C511 3R23C5

Sample Input

6

Sample Output

3BR23C51113BR23.

Source Code:

38RT

9/27/24, 12:48 PM

```
3BR23CS111-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 %
```

https://practice.reinprep.com/student/get-report/c2ff26bb-7c1d-11ef-ae9a-0e411ed3c76b