220

300

203

BRZ

38R23C1020 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C1000 38R23C10000



BRZ

Name

DEEPAK TIMLAPUR

020

Roll Number

3BR23CD020

EXPERIMENT

Title

,020

3020 3BP

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.

38R23CD020 38R22CD020 38R22CD020 38R22CD020

300

Sample Input

6

Sample Output

7

38R23CD020 3R20CD020 3R2 38R23CD020 38R23CD020 38R23CD020 38b. 38R23CD020 3BR23CD020 3BR23CD020 3BR23C

9/27/24, 5:41 PM

```
3BR23CD020-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/83645b58-7bbc-11ef-ae9a-0e411ed3c76b