384

3062



STUDENT REPORT

DETAILS

Name

HARSHITA S S

Roll Number

3BR23CS062

EXPERIMENT

Title

62

,062

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.

38R23C5062 38R23C5062

506

30

Sample Input

6

7

Sample Output

38R23CS062 3BR23CS062 3BR23C 38R23C5062 3BR23C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062 3BR22C5062

38R23C5062 38R22C50623RR23C50623RR22C50623RR22C50623RR22C50623RR22C50623RR22C50623RR22C50623RR22C50623RR22C50623RR22C50622RR22C5062R22C50622RR22C50622RR22C50622RR22C50622RR22C50622RR22C50622RR22C50622RR22C50622RR22C50 https://practice.reinprep.com/student/get-report/e0e45d14-7b2b-11ef-ae9a-0e411ed3c76b12ef-ae9a-0e410ef-ae9a-0e

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38RT

9/27/24, 7:45 PM

```
3BR23CS062-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)
5 / 5 Test Cases Passed | 100 %
```