23

300

BR2.

38R23C10R338R23C10R338R23C10R338R23C10R338R23C10R338R23C10R33RR23C10R32R23C10R32R23C10R32R23C10R32R22R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R23C10R32R22C10R32R22C10R32R22C10R32R22C10R32R22C10R32R22C10R32R22C10R32R22C10R22R22R22C10R22R22R22C10R22R22C10R22R22C10R22R22C10R22R22R22C10R22R22R22C10R22R22R22R22R22C10R22R22R2

3HARRAS SHARRAS CULTURAS C

23



STUDENT REPORT

BRZ

DETAILS

Name

GOUTHAMI J

Roll Number

3BR23CD023

EXPERIMENT

Title

,023

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.

38R23CH023 36R23CH023 38R23CH023 36R23CH023 36R23CH023

300

023

Sample Input

6

Sample Output

7

38R23CD02338R23CD02333RR23CD02333 38R23CD0233BR23CD0233BR23CD0233ABR23CD023 38R23CD0233BR23CD0233.

9/26/24, 3:25 PM

```
3BR23CD023-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 %
```

https://practice.reinprep.com/student/get-report/5c82ee68-7b44-11ef-ae9a-0e411ed3c76b