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STUDENT REPORT

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020

DETAILS

Name

J GAYATHRI

Roll Number

3BR23CD029

EXPERIMENT

Title

,020

2020

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.

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Sample Input

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Sample Output

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38R23CD0293RR23CD0293RR23~ 38R23CD029 38R23CD029 38R23CD029 3 38R23C1029 3BR23C1029 3BR23C1029

38R23CD029 Miled3c7 https://practice.reinprep.com/student/get-report/a582db03-7b44-11ef-ae9a-0e411ed3c76b

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9/28/24, 10:40 PM

```
3BR23CD029-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/a582db03-7b44-11ef-ae9a-0e411ed3c76b