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# STUDENT REPORT

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## **DETAILS**

Name

VINUTHA V

**Roll Number** 

3BR23CD105

## 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.

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Sample Input

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**Sample Output** 

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```
3BR23CD105-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/7c9b94b0-7cb6-11ef-ae9a-0e411ed3c76b