



STUDENT REPORT

DETAILS

Name

UMME SUMMAIYA

Roll Number

KUB23CSE150

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.

Sample Input

6

Sample Output

7

Source Code:

```
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

0 / 5 Test Cases Passed | 0 %