STUDENT REPORT

DETAILS

Name

SAMALA JAHNAVI

Roll Number

23D21A05H4

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:

```python
def is_prime(num):
    if num <= 1:
        return False
    for i in range (2, int(num**0.5)+1):
        if num%i == 0:
            return False
    return True
def next_prime():
    a= N+1
    while True :
        if is_prime(a):
            return a
        a+= 1
N = int(input())
print(next_prime())
```

RESULT

5 / 5 Test Cases Passed | 100 %