STUDENT REPORT

DETAILS

Name

MOHAMMED ZAID

Roll Number

3BR23CS100

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
n=int(input())
num=n+1
while True:
 is_prime=True
 if num>1:
     for i in range(2,int(num**0.5)+1):
         if num%i==0:
             is_prime=False
             break
     if is_prime:
         print(num)
         break
 num+=1
```

RESULT