Logo

STUDENT REPORT

DETAILS

Name

RAKSHITHA

Roll Number

KUB23CSE114

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:

```
n=int(input())
while True:
    n+=1
    flag=0
    for i in range(2,(n//2)+1):
        if n%i==0:
            flag=1
            break
    if flag==0:
        print(int(n))
        break
```

RESULT

5 / 5 Test Cases Passed | 100 %