STUDENT REPORT

DETAILS

Name

NITIN NARENDRA GHANMODE

Roll Number

3BR23ME014

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())
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