STUDENT REPORT

DETAILS

Name

M M AISHWARYA

Roll Number

3BR23CA056

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

5 / 5 Test Cases Passed | 100 %