Logo

STUDENT REPORT

DETAILS

Name

H ANUSHA

Roll Number

KUB23ECE004

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:

```
import math
import sys
def isPrime(n):
    for i in range(2,int(math.sqrt(n))+1):
        if n%i==0:
            return False

    return True
N = int(input())
i = N+1
while True:
    if i!=1 and isPrime(i):
        print(i)
        break
    i+=1
```

RESULT

5 / 5 Test Cases Passed | 100 %