



# STUDENT REPORT

## DETAILS

### Name

C SANTOSH

### Roll Number

KUB23CSE029

## 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

KUB

SE02

B23C

29 KU  
SE0

CSE0  
B23

UB23  
29 K

029 K  
3C