



# STUDENT REPORT

## DETAILS

### Name

PAVAN KUMAR REDDY H

### Roll Number

KUB23ECE027

## 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

CE02

IB23

27 K  
B23E

3EC  
27 KL

KUB  
2EC

CE027  
KU