



# STUDENT REPORT

## DETAILS

Name

RISHI U

Roll Number

3BR24AI403T

## 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

3BR

14031

224A1

T 3BR  
T 3BR

14031  
14031

R24A1  
R24A1

T 3BR  
T 3BR