3BK	DLogo
,1010 3814. 38R23C10	STUDENT REPORT
DETAILS	STUDENT REPORT SHR125CV010 28R125CV010 28
Roll Number	MART 1,010 1,0
EXPERIMENT Title MATHS TEST Description	Lo 38, 10, 10 38, 32, 10 38, 32, 10 38, 10 38, 10 10 38,
Alice has a r	mathematics test for which she is underprepared. She has to do at least one question correctly to pass the test. He do a question which needs her to find the smallest prime number which is larger than a given integer N. Your task is
Input Forma	
input1: An ir	nteger value N
input1: An ir Output Form	nat:
Return an in	nteger value representing the smallest prime number larger than N.
Sample Inpu	ut
Sample Inpu	
Sample Out	tput
225 VOT 7	
Source Code:	38 PLASCUOLO 38 PL
3 ⁴ 38 ⁴ 30 ⁴ 38 ⁴	10 3 8 12 3 2 10 10 3 12 3 2 10 10 3 10 10 10 10 10 10 10 10 10 10 10 10 10
	345135, 101034, 513010, 8384,384, 364, 364, 364, 364, 364, 364, 364, 36

```
def is_prime(num):
             if num <= 1:
                return False
             if num <= 3:
                return True
             if num % 2 == 0 or num % 3 == 0:
                return False
             i = 5
             while i * i <= num:
                 if num % i == 0 or num % (i + 2) == 0:
                  return False
                 i += 6
             return True
         def find_smallest_prime_larger_than_n(n):
             candidate = n + 1
             while not is_prime(candidate):
                 candidate += 1
             return candidate
         n = int(input())
         result = find_smallest_prime_larger_than_n(n)
         print(result)
RESULT
```

5 / 5 Test Cases Passed | 100 %