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D	Description 15 15 15 15 15 15 15 15 15 15 15 15 15
J823C5K	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:
15	input1: An integer value N
SE	Output Format:
	Return an integer value representing the smallest prime number larger than N.
5 41823	Sample Input
5	6 Sample Output
^	Sample Output
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def next_prime(N):
           num = N + 1
           while True:
             is_prime = True
             for i in range(2, int(num**0.5) + 1):
               if num % i == 0:
                 is_prime = False
                 break
             if is_prime:
               return num
             num += 1
          N = int(input())
          result = next_prime(N)
          print(result)
      RESULT
5 / 5 Test Cases Passed | 100 %
```