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| Title MATHS TEST 16 KUR23/25-E016 KUR23/25-E  |
| Title MATHS TEST 16 WB23 CSET WB23 C  |
| Title MATHS TEST 6 KUR13-25-ED TO KU  |
| Description 16 300 ANY ELECTRICATE SET LIBERT   |
| 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   |
| input1: An integer value N  Output Format:  Return an integer value representing the smallest prime number larger than N.   |
| Return an integer value representing the smallest prime number larger than N.   |
| Sample Input  6   |
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| Sample Output  7  |
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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 %
```