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28R23EC10F3BR23EC10F3BR23EC10F3BR23EC10F3BR23EC1



STUDENT REPORT

DETAILS

Name

TEHESHEEN TASNEEM

30

Roll Number

3BR23EC165

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.

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Sample Input

6

Sample Output

7

3BR23EC1653BR235

Source Code:

3BR2.

9/27/24, 8:01 PM

```
3BR23EC165-Maths Test
    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 %
```

https://practice.reinprep.com/student/get-report/772 da 0 c 3-7 c 22-11 e f-ae 9 a-0 e 411 e d 3 c 76 b and 1 c 1 e f-ae 9 a-0 e 411 e d 3 c 76 b and 1 c 1 e f-ae 9 a-0 e 411 e d 3 c 76 b and 1 e f-ae 9 a-0 e 610 e f-ae 9 a 610 e f-ae 9