384

28R23C51643RR23C51647



STUDENT REPORT

DETAILS

Name

SIDDU

Roll Number

3BR23CS155

30

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.

38R23C515538R23C515538R23C51553RR23C51557RR23C51567RR23C51567RR23C51567RR23C51567RR23C51567RR23C51567RR23C51567RR23C51567R23C57R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C51567R23C5167R23C57R23C51767R23C51767R23C51767R23C51767R23C51767R23C51767R23C57867R23C57R23C57R257R23C57

Sample Input

6

Sample Output

7

38R23C5\5538R23

Source Code:

38RT

28/09/2024, 08:27

```
3BR23CS155-Maths Test
  import math
  def is_prime(num):
      if num <= 1:
          return False
      if num == 2:
          return True
      if num % 2 == 0:
          return False
      for i in range(3, int(math.sqrt(num)) + 1, 2):
          if num % i == 0:
              return False
      return True
  def next_prime(N):
      candidate = N + 1
      while True:
          if is_prime(candidate):
              return candidate
          candidate += 1
  # Input reading
  N = int(input())
  result = next_prime(N)
  print(result)
5 / 5 Test Cases Passed | 100 %
```

https://practice.reinprep.com/student/get-report/113ecbd8-7d41-11ef-ae9a-0e411ed3c76b