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. (\)	s a mathematics test for which she is underpr	anarod. She has to do at least o	763	?*
decides	to do a question which needs her to find the s	mallest prime number which is	larger than a given integer N.	Your task is
to find a	and return an integer value representing the sm	allest prime number larger thai	n N.	)3° LLM
Input Fo				8
input1:	An integer value N			est
	an integer value representing the smallest prim	e number larger than N		(echt/cst)
Sample		e number larger than iv.		
Sample 6				(NR <sup>®</sup>
- 1	Output			STEMPE
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Sample 7		22 82	c.V	csto <sup>3</sup>
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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 %
```