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,	"), '0, '3, "+ "5, "8, V, "C3, F),	
J823C54	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.	512
	Input Format:	
CSE012	input1: An integer value N	
Str	Output Format: Return an integer value representing the smallest prime number larger than N.	JBJ
	Return an integer value representing the smallest prime number larger than N.	
TABS;	Sample Input	45
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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

RESULT
```