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A prime number is a number which is only divisible by 1 and itself.

Given number N check if it is prime or not.

Example 1:

Input:

N = 5

Output: Yes

Explanation: 5 is only divisible by 1 and itself. So, 5 is a prime number.

Example 2:

Input:

N = 4

Python3

Start Timer

```
1  # } Driver Code Ends
9  #User function Template for python3
10
11 class Solution:
12     def isPrime(self,N):
13         # code here
14         if N<=1:
15             return False
16         for i in range(2,int(N**0.5)+1):
17             if N%i==0:
18                 return False
19         return True
20
21
22 #{
23 # Driver Code Starts.
24 def main():
25
26     T=int(input())
27
28     while(T>0):
29
30         N=int(input())
31
32         ob=Solution()
33         if(ob.isPrime(N)):
34             print("Yes")
35         else:
36             print("No")
37         T-=1
38
39
40 if __name__=="__main__":
41     main()
42 # } Driver Code Ends
```

Custom Input

Compile & Run

Submit