**Next Prime Number**

Given an integer **N**. The task is to find the next prime number i.e. the smallest prime number greater than **N**.

**Examples:**

***Input:****N=10*  
***Output:****11*  
*11 is the smallest prime number greater than 10.*

***Input:****N=0*  
***Output:****2*

C++

#include<bits/stdc++.h>

using namespace std;

int nextPrime(int n){

n++;

while(true){

int i;

for(i = 2; i < n; i++){

if(n % i == 0)

break;

}

if(i == n)

return n;

n++;

}

}

int main()

{

int n;

cin >> n;

cout << nextPrime(n);

return 0;

}

**INPUT :**

**15**

**OUTPUT :**

**17**