* **[Check whether a number is prime or not](https://www.programiz.com/cpp-programming/examples/prime-number" \o "Program to check whether a number is prime or not).**

**Without class:**

**#include<iostream>**

**using namespace std;**

**main()**

**{**

**int i,n,count=0;**

**cout<<"enter the value of n";**

**cin>>n;**

**for(i=1;i<=n;i++)**

**{**

**if(n%i==0)**

**{**

**count++;**

**}**

**}**

**if(count==2)**

**{**

**cout<<"prime no";**

**}**

**else**

**{**

**cout<<"not prime no";**

**}**

**}**

**With class:**

**#include<iostream>**

**using namespace std;**

**class Prime\_no**

**{**

**int i,n,count=0;**

**public:**

**void input()**

**{**

**cout<<"enter the value of n:";**

**cin>>n;**

**}**

**void output()**

**{**

**for (i=0;i=n;i++)**

**{**

**if(n%i==0)**

**{**

**count++;**

**}**

**}**

**if(count==2)**

**{**

**cout<<""<<n<<" is prime no";**

**}**

**else**

**{**

**cout<<""<<n<<" is not a prime no";**

**}**

**}**

**};**

**main()**

**{**

**Prime\_no p;**

**p.input();**

**p.output();**

**}**