

**program 1:** program to check whether a number is prime or not

```
#include<iostream.h>
class test
{
public:
int check(int x)
{
    int i, p=0;
    for(i=2;i<x;i++)
    {
        if(x%i==0)
        {
            p=1;
            break;
        }
    }
    return p;
}
};
int main()
{
    int x,p;
    cout<<"enter a number";
    cin>>x;
    test obj;
    p=obj.check(x);
    if(p==0)
    {
        cout<<"number is prime";
    }
    else:
    {
        cout<<"number is not prime";
    }
    return 0;
}
```

**OUTPUT:**  
**enter a number:11**  
**number is priime**