2. Write a C++ Program to sort the given list using insertion sort technique.

```
#include<iostream.h>
#include<conio.h>
#include<iomanip.h>
int i,temp,j,n,a[15];
class insert
{
 public: void getdata();
        void sort();
        void display();
 };
 void insert::getdata()
 {
     cout<<"Enter the range "<<endl;
     cin>>n;
     cout<<"Enter the element"<<endl;
     for(i=0;i<n;i++)
     cin>>a[i];
 }
 void insert::sort()
 {
            for(i=1;i<=n-1;i++)
            {
                   temp=a[i];
                   j=i-1;
                   while(j>=0 && (a[j]>temp))
                   {
                          a[j+1]=a[j];
                          j--;
                   }
                   a[j+1]=temp;
            }
 }
 void insert::display()
 {
            cout<<"sorted element are"<<endl;
            for(i=0;i<n;i++)
            cout<<a[i]<<endl;
 }
 void main()
 {
            insert t;
            clrscr();
```

```
        t.getdata();
        t.sort();
        t.display();
        getch();
}
```