



Bubble Sort

```
#include<iostream.h>
#include<conio.h>
int i, j, temp, n, a[15];
class bubble {
public:
    void getdata();
    void display();
    void sort();
};

void bubble::getdata() {
    cout<<"Enter the range: "<<endl;
    cin>>n;
    cout<<"Enter the element: "<<endl;
    for (i = 0; i < n; i++)
        cin>>a[i];
}

void bubble::sort() {
    for (i = 0; i < n - 1; i++) {
        for (j = 0; j < n - 1 - i; j++) {
            if (a[j] > a[j + 1]) {
                temp = a[j];
                a[j] = a[j + 1];
                a[j + 1] = temp;
            }
        }
    }
}

void bubble::display() {
    cout<<"Elements in sorted order are: "<<endl;
    for (i = 0; i < n; i++)
        cout<<a[i]<<endl;
}

void main() {
    bubble s;
    clrscr();
    s.getdata();
```

```
s.sort();  
s.display();  
getch();  
}
```
