

```

1  #include<iostream>
2
3  using namespace std;
4
5  int main()
6  {
7      //Declaram variabilele
8      int a[25] ,i, n, sortat, aux;
9      //Citim vectorul
10     cout<<"n= ";
11     cin>>n;
12     for(i=1;i<=n;i++)
13     {
14         cout<<"a["<<i<<"]= ";
15         cin>>a[i];
16     }
17     //Afisez vectorul initial
18     cout<<"Vectorul initial: ";
19     for(i=1;i<=n;i++)
20         cout<<a[i]<<" ";
21
22     //Prelucrare (sortarea crescatoare prin metoda Bulelor)
23     do
24     {
25         sortat=1;
26         for(i=1;i<=n-1;i++)
27             if(a[i]>a[i+1])
28             {
29                 // interschimbare
30                 aux=a[i];
31                 a[i]=a[i+1];
32                 a[i+1]=aux;
33
34                 sortat=0;
35             }
36     }
37     while(sortat!=1);
38
39     //Afisam rezultatele
40     cout<<endl<<"Vectorul sortat: ";
41     for(i=1;i<=n;i++)
42         cout<<a[i]<<" ";
43
44     return 0;
45 }

```