

INPUT

```
#include <iostream> using
namespace std; template
<class t>
void create(t*p,int size){
    int i;
    for(i=0;i<size;i++){
        cout<<"Enter the elements to added in the array "<<endl;
        cin>>p[i];
    }
}

template <class t>
void show(t*p,int size){
    int i;
    cout<<"Elements of the array"<<endl;
    for (i=0;i<size;i++){
        cout<<" "<<p[i];
    }
}

template<class t>
void sort(t*arr,int size){
    int i,j,k;
    t l;
    for(i=0;i<size-1;i++){
        k=i;
        for(j=i+1;j<size;j++){
            if(arr[j]<arr[k])
            {
                l=arr[j];
                arr[j]=arr[i];
                arr[i]=l;
            }
        }
    }
}

int main()
{
    int size,size1;
    cout<<"Enter the size of the array: "<<endl;
```

```

        cin>>size;
    int arr[size];
    create(arr,size);
    show(arr,size);
    cout<<endl;
    cout<<"Array after sorting: "<<endl;
    sort(arr,size);
    show(arr,size);
cout<<endl;
    cout<<"With float values: "<<endl;
cout<<"Enter the size of the float array: "<<endl;
cin>>size1;    float arr1[size1];
create<float>(arr1,size1);
    show<float>(arr1,size1);
    cout<<endl;
    cout<<"After sorting float values"<<endl;
sort<float>(arr1,size1);
    show<float>(arr1,size1);
    return 0;
}

```

Enter the size of the array:

5

Enter the elements to added in the array

12

Enter the elements to added in the array

45

Enter the elements to added in the array

83

Enter the elements to added in the array

29

Enter the elements to added in the array

84

Elements of the array

12 45 83 29 84 Array

after sorting:

Elements of the array 12

29 45 83 84

With float values:

Enter the size of the float array:

4

Enter the elements to added in the array

8.3

Enter the elements to added in the array

3.7

Enter the elements to added in the array

6.1

Enter the elements to added in the array

5.8

Elements of the array

8.3 3.7 6.1 5.8

After sorting float values

Elements of the array

3.7 5.8 6.1 8.3