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/* Program of Bubble Sort Using Template */
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#include<iostream>
using namespace std;
template <class T>
void swap(T &a,T &b)
{
    T temp;
    temp=a;
    a=b;
    b=temp;
}
template<class T>
void sort(T a[],int max)
{
    int i,j;
    for(i=0;i<max;i++)
    {
        for(j=0;j<max-1;j++)
        {
            if(a[i]>a[j])
                swap(a[i],a[j]);
        }
    }
    for(i=0;i<max;i++)
        cout << endl<<a[i] << " ";
}
int main( )
{
    int n,i;
    cout << "\n Enter no. of integers to be sorted";
    cin>>n;
    cout << "\nEnter integer to be sorted:";
    int a[n];
    for(i=0;i<n;i++)
        cin>> a[i];
    cout << "\nSorted elements are:";
    sort(a,n);

    cout << "\nEnter float numbers to be sorted:";
    float b[n];
    for(int i=0;i<n;i++)
        cin>> b[i];
    cout << "\nSorted elements are:";
    sort(b,n);
return 0;
}
```