#include<iostream>

using namespace std;

int main()

{

int n, i, arr[50], j, temp;

cout<<"Enter the Size (max. 50): ";

cin>>n;

cout<<"Enter "<<n<<" Numbers: ";

for(i=0; i<n; i++)

cin>>arr[i];

cout<<"\nSorting the Array using Bubble Sort Technique..\n";

for(i=0; i<(n-1); i++)

{

for(j=0; j<(n-i-1); j++)

{

if(arr[j]>arr[j+1])

{

temp = arr[j];

arr[j] = arr[j+1];

arr[j+1] = temp;

}

}

}

cout<<"\nArray Sorted Successfully!\n";

cout<<"\nThe New Array is: \n";

for(i=0; i<n; i++)

cout<<arr[i]<<" ";

cout<<endl;

return 0;

}