#include<stdio.h>

#include<string.h>

#include<iostream>

using namespace std;

int main()

{

int array[10], num, i, j, k, temp;

int l=0;

cout<<"Enter the number of elements"<<endl;

cin>> num;

for(i=1;i<=num;i++)

{

cout<<"Enter element "<<i<<endl;

cin>> array[i];

}

for(k=1;k<=num;k++)

{

if(array[k]>array[k+1])

l++;}

if(l!=0)

{

for(i=2;i<=num;i++)

{

l=0;

for(k=1;k<=num;k++)

{

if(array[k]>array[k+1])

l++;

}

if(l!=0)

{

for(j=1;j<num;j++)

{

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

{

temp=array[j];

array[j]=array[j+1];

array[j+1]=temp;

}

}

cout<<endl;

cout<<"After pass elements are:"<<i-1<<endl;

for(k=1;k<=num;k++)

cout<<array[k];

}

else

break;

}

}

cout<<endl;

cout<<"sorted list is:"<<endl;

for(k=1 ;k<=num;k++)

cout<<array[k];

return 0;

}