#include<iostream>

using namespace std;

int main(){

int a;

cout<<"enter the size of array";

cin>>a;

int arr[a];

for(int i=0;i<a;i++)

{

cout<<"enter element"<<i+1<<" ";

cin>>arr[i];

}

for(int i=0;i<a-1;i++)

{

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

{

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

{

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

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

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

for(int k=0;k<a;k++)

{

cout<<arr[k]<<" |";

}

cout<<endl;

}

}

cout<<endl;

}

cout<<"the sorted arry after working is "<<endl;

for(int i=0; i<a; i++)

{

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

}

return 0;

}