#include<iostream>

using namespace std;

int main()

{

int n,i,x,y;

cout << "input size : ";

cin >> n;

int arr[n];

for(i = 0; i < n; i++)//taking arr

cin >> arr[i];

//ascending order bubble sorting

for(x = 1; x < n; x++) //for passing

{

int flag = 0; //flag for reducing swapping after sort

for(y = 0; y < n - 1; y++) //for swapping

{

if(arr[y] > arr[y+1]) //checking greater element

{swap(arr[y],arr[y+1]);

flag = 1;}

} if(flag == 0)

break;

}

for(y = 0; y < n; y++) //printing

cout << endl << arr[y];

return 0;

}