#include<bits/stdc++.h>

using namespace std;

void count\_sort(int \*arr, int low, int high, int n){

int range = (high-low)+1;

int farr[range] = {0};

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

int idx = arr[i]-low;

farr[idx]++;

}

for(int i=1;i<range;i++){

farr[i]+=farr[i-1];

}

int ans[n];

for(int i=n-1;i>=0;i--){

int val = arr[i];

int pos = farr[val-low];

int idx = pos -1;

ans[idx] = val;

farr[val-low]--;

}

for(auto x: ans){

cout<<x<<endl;

}

}

int main(){

int n;

cin>>n;

int arr[n];

int x = INT\_MAX;

int y = INT\_MIN;

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

cin>>arr[i];

if(x>arr[i]){

x = arr[i];

}

if(y<arr[i]){

y = arr[i];

}

}

count\_sort(arr,x,y,n);

}