#include <iostream>

#include<queue>

#include<algorithm>

using namespace std;

int main(){

priority\_queue<int,vector<int>,greater<int>>pq; //min heap

// priority\_queue<int>pq; //max heap

int n;

cin>>n;

for(int i=1;i<=n;i++)

{

int no;

cin>>no;

pq.push(no); //O(logn)

}

//remove the ele from the heap

while(!pq.empty()){

cout<<pq.top()<<" ";

pq.pop();

}

//priority\_queue can sort ele in O(logn)

}