#include<bits/stdc++.h>

using namespace std;

void comp(int a, int b){

cout<<"Comparing "<<a<<" and "<<b<<endl;

}

void swapnum(int a, int b){

cout<<"Swapping "<<a<<" and "<<b<<endl;

}

void selectionsort(int arr[], int n){

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

int min = arr[i];

int minidx = i;

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

comp(arr[j],min);

if(arr[j]<min){

min = arr[j];

minidx = j;

}

}

swapnum(arr[i],arr[minidx]);

swap(arr[i],arr[minidx]);

}

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

cout<<arr[i]<<endl;

}

}

int main(){

int n;

cin>>n;

int arr[n];

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

cin>>arr[i];

}

selectionsort(arr,n);

}