import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

int n = in.nextInt();

int a[] = new int[n];

for(int a\_i=0; a\_i < n; a\_i++){

a[a\_i] = in.nextInt();

}

int numberOfSwaps = 0;

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

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

if (a[j] > a[j + 1]) {

int temp=a[j];

a[j]=a[j+1];

a[j+1]=temp;

numberOfSwaps++;

}

}

if (numberOfSwaps == 0) {

break;

}

}

System.out.println("Array is sorted in "+numberOfSwaps+" swaps.");

System.out.println("First Element: "+a[0]);

System.out.println("Last Element: "+a[a.length-1]);

}

}