# 1.Bubble Sort Algorithm

import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class BubbleSorting {

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();

}

// Write Your Code Here

int numswaps = 0;

for (int i = 0; i < a.length; i++) {

for (int j = 0; j < a.length - 1; j++) {

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

int temp = a[j];

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

a[j+1] = temp;

numswaps++;

}

}

if(numswaps == 0) {

break;

}

}

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

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

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

}

}