import java.util.Scanner;

class BubbleSort {

public static void main(String []args) {

int n, c, d, swap;

Scanner in = new Scanner(System.in);

System.out.print("Masukkan cacah bilangan yang akan diurutkan : ");

n = in.nextInt();

int array[] = new int[n];

System.out.println("Masukkan " + n + " integer");

for (c = 0; c < n; c++)

array[c] = in.nextInt();

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

for (d = 0; d < n - c - 1; d++) {

if (array[d] > array[d+1])

{

swap = array[d];

array[d] = array[d+1];

array[d+1] = swap;

}

System.out.println(" c= " + c + " d= " + d);

for (int e = 0; e < n ; e++)

System.out.print(" " + array[e] + " ");

System.out.println();

}

}

System.out.println("\nBilangan terurut.");

for (c = 0; c < n; c++)

System.out.println(array[c]);

}

}