

```

import java.io.*;
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[] arr = new int[n];
        for (int i = 0; i < n; i++) arr[i] = sc.nextInt();
        sort(arr);
        for (int i = 0; i < n; i++) System.out.print(arr[i] + " ");
    }

    public static void sort(int[] arr) {
        int n = arr.length;
        for (int i = 0; i < n; i++) {
            int min = i;
            for (int j = i + 1; j < n; j++) {
                if (arr[j] < arr[min]) min = j;
            }
            swap(arr, i, min);
        }
    }

    public static void swap(int[] arr, int i, int j) {
        int temp = arr[i];
        arr[i] = arr[j];
        arr[j] = temp;
    }
}

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Handwritten notes on the code:

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Merge two sorted arrays

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* Insertion Sort

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