### Sort an array of 0s, 1s and 2s

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### Sort an array of 0s, 1s and 2s

Given an array of size**N** containing only 0s, 1s, and 2s; sort the array in ascending order.

**Example 1:**

**Input:**

N = 5

arr[]= {0 2 1 2 0}

**Output:**

0 0 1 2 2

**Explanation:**

0s 1s and 2s are segregated

into ascending order.

**Example 2:**

**Input:**

N = 3

arr[] = {0 1 0}

**Output:**

0 0 1

**Explanation:**

0s 1s and 2s are segregated

into ascending order.

### Java Code

//{ Driver Code Starts

//Initial template for Java

import java.io.\*;

import java.util.\*;

// } Driver Code Ends

//User function template for Java

class Solution

{

public static void sort012(int a[], int n)

{

// code here

Arrays.sort(a);

}

}

class CodingMaxima {

public static void main (String[] args) throws IOException {

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine().trim()); //Inputting the testcases

while(t-->0){

int n = Integer.parseInt(br.readLine().trim());

int arr[] = new int[n];

String inputLine[] = br.readLine().trim().split(" ");

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

arr[i] = Integer.parseInt(inputLine[i]);

}

Solution ob=new Solution();

ob.sort012(arr, n);

StringBuffer str = new StringBuffer();

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

str.append(arr[i]+" ");

}

System.out.println(str);

}

}

}