

<https://course.acciojob.com/idle?question=c6d87bc6-8cba-4ef8-a332-cff124a62601>

● EASY

● Max Score: 30 Points

Move zeroes to end

Given an integer array `arr`, move all the zeroes to the end of it while maintaining relative order of the non-zero elements.

Input Format

First line of input contains a single number n .

The second line of input contains n space separated integer representing array elements.

Output Format

Move all the zeroes in the end and don't make a copy of the array do in-place, without making a copy.

Example 1

Input

```
5
1 0 2 0 1
```

Output:

```
1 2 1 0 0
```

Explanation:

Moving all the zeroes to the end will result in array `1 2 1 0 0`.

Example 2

Input

```
4
0 1 0 2
```

Output:

```
1 2 0 0
```

Explanation:

Moving all the zeroes to the end will result in array 1 2 0 0.

Constraints

$1 \leq n \leq 10^4$

$-2^{31} \leq \text{arr}[i] \leq 2^{31}-1$

Topic Tags

- Arrays

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
```

```
public static void main (String[] args) throws
java.lang.Exception
{
    //your code here
    Scanner s=new Scanner(System.in);
    int n=s.nextInt();
    int c=0;
    for(int i=0;i<n;i++)
    {
        int m=s.nextInt();
        if(m==0)c++;
        else System.out.print(m+" ");
    }
    for(int i=0;i<c;i++)
    System.out.print("0 ");
}
}
```