

# CON\_ARRAY\_Level2\_019

Given an array that has positive numbers and negative numbers and zero in it. You need to separate the negative numbers and positive numbers in such a way that negative numbers lies to left of zero and positive numbers to the right and the original order of elements should be maintained.

## Input Format

Each line contains the array size & values

## Constraints

$1 \leq \text{array\_size} \leq 10000$

## Output Format

print the altered array

## Sample Input 0

```
5
98 -54 122 87 0
```

## Sample Output 0

```
-54 0 98 122 87
```