Given an array $A$ of $N$ integers, such that $1 \le A[i] \le 100$

,,

sort $A$

in non-decreasing/ascending order, and display the elements of the sorted array.

## Input:

- The first line contains an integer $T$

- , denoting the number of test cases.
- The first line of each test case contains an integer $N$, the number of elements in $A$

- .
- The next line contains $N$ space-separated integers, denoting the elements of array $A$

- .

## Output:

For each test case, display the elements of the sorted array, in a new line, separated by a space.

## Constraints

- $1 \le T \le 3$

- $1 \le N \le 106$
- $1 \le A[i] \le 100$

- 

## Sample Input:

```
2
5
7 2 9 10 1
4
3 7 7 3
```

## Sample Output:

```
1 2 7 9 10
3 3 7 7
```

## EXPLANATION:

The sample outputs are the sorted orders of the input arrays respectively, sorted in non-decreasing/ascending order.