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C++ Generic sort 🔖

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LIVE BATCHES

You need to sort elements of an array where the array can be of following data-types:

- Integer
- String
- floating numbe

Your task is to complete the given two functions: **sortArray()** and **printArray()**

Input:

The input line contains **T**, denoting the number of testcases. Each testcase contains 2 lines. The first line contains **n**(size of array) and **q**(type of array) separated by space. Below is the description about q.

- q = 1, means elements of the array are of integer type
- q = 2, means elements of the array are of string type
- q = 3, means elements of array are of floating digit type

The second line contains n elements of the array separated by space.

Output:

For each testcase in new line, print the elements in sorted form of given type of array separated by space.

Constraints:

1 <= T <= 50
1 <= n <= 100
1 <= q <= 3

Example:

Input:

3
3 3
34.23 -4.35 3.4
4 1
123 -2311 837 0
5 2
focus on challenges in implementing

Output:

-4.35 3.4 34.23
-2311 0 123 837
challenges focus implementing in on

Explanation:

Testcase 1: The array is of floating type. After sorting the elements of array are as such:
-4.35 3.4 34.23

** For More Input/Output Examples Use 'Expected Output' option **

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