Merge k sorted arrays

**Given k sorted arrays of size n each, merge them and print the sorted output.**

There are lot of methods to solve it.

Method 1: putting all the elements of the 2-D array in a 1-D array and then sorting it. Since the sorting algorithm takes nlogn time. This method will take n\*k\*log(n\*k).

Method 2: using priority queue which has been discussed [here](https://www.youtube.com/watch?v=6bvnZzwiKzs).

Method 3: using [divide and conquer](https://www.geeksforgeeks.org/merge-k-sorted-arrays/),

* The process is same as merge sort, here instead of element we have an array of elements at each index.
* The problem here is to convert an array of sorted elements to a single sorted array.
* We divide the problem into sub problems, solve the sub-problems recursively and then we simply merge both sides just like the merge function of merge sort.

code of divide and conquer:

n is defined already.

Need to find a way to send 2-D array as a function.