Merge k Sorted Arrays

Given **K** sorted arrays arranged in the form of a matrix of size K*K. The task is to merge them into one sorted array.

Example 1:

```
Input:
K = 3
arr[][] = {{1,2,3},{4,5,6},{7,8,9}}
Output: 1 2 3 4 5 6 7 8 9
Explanation:Above test case has 3 sorted
arrays of size 3, 3, 3
arr[][] = [[1, 2, 3],[4, 5, 6],
[7, 8, 9]]
The merged list will be
[1, 2, 3, 4, 5, 6, 7, 8, 9].
```

Example 2:

```
Input:
K = 4
arr[][]={{1,2,3,4},{2,2,3,4},
         {5,5,6,6},{7,8,9,9}}
Output:
1 2 2 2 3 3 4 4 5 5 6 6 7 8 9 9
Explanation: Above test case has 4 sorted
arrays of size 4, 4, 4, 4
arr[][] = [[1, 2, 2, 2], [3, 3, 4, 4],
[5, 5, 6, 6], [7, 8, 9, 9 ]]
The merged list will be
[1, 2, 2, 2, 3, 3, 4, 4, 5, 5,
6, 6, 7, 8, 9, 9].
```

Your Task:
You do not need to read input or print anything. Your task is to complete **mergeKArrays**() function which takes 2 arguments, an arr[K][K] 2D Matrix containing K sorted arrays and an integer K denoting the number of sorted arrays, as input and returns the merged sorted array (as a pointer to the merged sorted arrays in **cpp,** as an ArrayList in **java,** and list in **python**)

Expected Time Complexity: $O(K^2*Log(K))$
Expected Auxiliary Space: $O(K^2)$

Constraints:
$1 <= K <= 100$