You are given an array of k linked-lists lists, each linked-list is sorted in ascending order.

*Merge all the linked-lists into one sorted linked-list and return it.*

**Example 1:**

Input: lists = [[1,4,5],[1,3,4],[2,6]]  
Output: [1,1,2,3,4,4,5,6]  
Explanation: The linked-lists are:  
[  
 1->4->5,  
 1->3->4,  
 2->6  
]  
merging them into one sorted list:  
1->1->2->3->4->4->5->6

**Example 2:**

Input: lists = []  
Output: []

**Example 3:**

Input: lists = [[]]  
Output: []

**Constraints:**

* k == lists.length
* 0 <= k <= 104
* 0 <= lists[i].length <= 500
* -104 <= lists[i][j] <= 104
* lists[i] is sorted in **ascending order**.
* The sum of lists[i].length will not exceed 104.