

56. Merge Intervals

Solved 

Medium

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Given an array of `intervals` where `intervals[i] = [starti, endi]`, merge all overlapping intervals, and return an array of the non-overlapping intervals that cover all the intervals in the input.

Example 1:

Input: `intervals = [[1,3],[2,6],[8,10],[15,18]]`

Output: `[[1,6],[8,10],[15,18]]`

Explanation: Since intervals `[1,3]` and `[2,6]` overlap, merge them into `[1,6]`.

Example 2:

Input: `intervals = [[1,4],[4,5]]`

Output: `[[1,5]]`

Explanation: Intervals `[1,4]` and `[4,5]` are considered overlapping.

Constraints:

- `1 <= intervals.length <= 104`
- `intervals[i].length == 2`
- `0 <= starti <= endi <= 104`