

Description

Solution

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i C#

## 56. Merge Intervals

Medium

11513

472

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Given an array of intervals where  $intervals[i] = [start_i, end_i]$ , 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] overlaps, 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:

- $1 \leq intervals.length \leq 10^4$
- $intervals[i].length == 2$
- $0 \leq start_i \leq end_i \leq 10^4$

Accepted 1,236,462
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Yes

No

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```

1 public class Solution {
2     public int[][] Merge
intervals) {
3
4         Array.Sort(inte
delegate(int[] m, int[]
5
6         return m[0] - n[0]; });
7
8         var merged = ne
List<int[]>();
9
10        foreach(var int
intervals)
11        {
12            var start =
interval[0];
13            var end =
interval[1];
14
15            // if the 1
merged intervals is emp
the current
16            // interval
overlap with the previo
append it.
17            if(merged.C
|| merged.Last()[1] < s
18            {
19                merged.Add(interval);
20            }
21            // otherwis
overlap, so we merge th
and previous
22            // interval

```

Testcase
Run Code Result

Accepted
Runtime: 116 ms

Your input
[[1,3],[2,6],[8,10],[15,18]]

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

Expected
[[1,6],[8,10],[15,18]]

Console
Use Example Testcase

Problems

Pick One

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Run Code

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