

PA2

LeetCode ID: ChenJiayang

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Merge Intervals

Submission Details

168 / 168 test cases passed.
Runtime: 584 ms

Status: Accepted
Submitted: 0 minutes ago

Accepted Solutions Runtime Distribution

You are here!
Your runtime beats 57.17% of cpp submissions.

Invite friends to challenge Merge Intervals!

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All My Submissions

Submit Time	Questions	Status	Run Time	Language
5 minutes ago	Merge Intervals	Accepted	584 ms	cpp
5 minutes ago	Merge Intervals	Compile Error	N/A	cpp
10 minutes ago	Merge Intervals	Time Limit Exceeded	N/A	cpp
12 minutes ago	Merge Intervals	Time Limit Exceeded	N/A	cpp
13 minutes ago	Merge Intervals	Compile Error	N/A	cpp
14 minutes ago	Merge Intervals	Compile Error	N/A	cpp
15 minutes ago	Merge Intervals	Compile Error	N/A	cpp
16 minutes ago	Merge Intervals	Compile Error	N/A	cpp
17 minutes ago	Merge Intervals	Compile Error	N/A	cpp
17 minutes ago	Merge Intervals	Compile Error	N/A	cpp
18 minutes ago	Merge Intervals	Compile Error	N/A	cpp
21 minutes ago	Merge Intervals	Compile Error	N/A	cpp

Send Feedback

Code(C++)

Submitted Code

Language: cpp

Edit Code

```
1- /**
2-  * Definition for an interval.
3-  * struct Interval {
4-  *     int start;
5-  *     int end;
6-  *     Interval() : start(0), end(0) {}
7-  *     Interval(int s, int e) : start(s), end(e) {}
8-  * };
9-  */
10-
11- bool compare(Interval &val1, Interval &val2){
12-     return val2.start>val1.start;
13- }
14-
15- class Solution {
16- public:
17-
18-     vector<Interval> merge(vector<Interval>& intervals) {
19-
20-         vector<Interval> ans;
21-
22-         if(intervals.size()<=1){
23-             return intervals;
24-         }
25-
26-         else{
27-
28-             int length=intervals.size();
29-
30-             sort(intervals.begin(),intervals.end(),compare);
31-
32-             Interval tmp=intervals[0];
33-
34-             for(int k=1;k<length;k++){
35-
36-                 Interval cmp=intervals[k];
37-
38-                 if(cmp.start>tmp.end){
39-                     ans.push_back(tmp);
40-                     tmp=cmp;
41-                     continue;
42-                 }
43-                 else{
44-                     tmp.end=max(tmp.end,cmp.end);
45-                 }
46-             }
47-
48-             ans.push_back(tmp);
49-             return ans;
50-         }
51-     }
52- };
```