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253. Meeting Rooms II Premium
                                     O Hint
 Medium
           ♥ Topics
                      € Companies
Given an array of meeting time intervals intervals where intervals [i] = [start_i, end_i],
return the minimum number of conference rooms required.
Example 1:
  Input: intervals = [[0,30],[5,10],[15,20]]
  Output: 2
Example 2:
  Input: intervals = [[7,10],[2,4]]
  Output: 1
Constraints:

    1 <= intervals.length <= 10<sup>4</sup>

    0 <= start<sub>i</sub> < end<sub>i</sub> <= 10<sup>6</sup>

Seen this question in a real interview before? 1/5
 Yes
        No
Accepted 955K Submissions 1.9M Acceptance Rate 51.6%
Topics
            Two Pointers
                         Greedy
                                   Sorting Heap (Priority Queue)
                                                                 Prefix Sum
     Array
Companies
    0 - 3 months
                                                                  TikTok 8
                   Amazon 11
                                                                              Meta (7)
     Google (17)
                                  Microsoft 9
                                                 Bloomberg (8)
                Netflix 4 Adobe 2
                                          Splunk (2)
    0 - 6 months
     Apple 4
                              Snap 2
                 Oracle 4
    6 months ago
                 Turo (6)
                           Yandex 4
                                         eBay 4
                                                    Salesforce 4
                                                                    Goldman Sachs (3)
     IBM (15)
                                    Yahoo 3
                    ServiceNow (3)
     Pinterest (3)
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    Hint 1
    Think about how we would approach this problem in a very simplistic way. We will
    allocate rooms to meetings that occur earlier in the day v/s the ones that occur later on,
    right?
    Hint 2
    If you've figured out that we have to sort the meetings by their start time, the next thing
    to think about is how do we do the allocation?
    There are two scenarios possible here for any meeting. Either there is no meeting room
    available and a new one has to be allocated, or a meeting room has freed up and this
    meeting can take place there.
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    Hint 3
    An important thing to note is that we don't really care which room gets freed up while
    allocating a room for the current meeting. As long as a room is free, our job is done.
    We already know the rooms we have allocated till now and we also know when are they
    due to get free because of the end times of the meetings going on in those rooms. We
    can simply check the room which is due to get vacated the earliest amongst all the
    allocated rooms.
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    Hint 4
    Following up on the previous hint, we can make use of a min-heap to store the end times
    of the meetings in various rooms.
    So, every time we want to check if any room is free or not, simply check the topmost
    element of the min heap as that would be the room that would get free the earliest out
    of all the other rooms currently occupied.
    If the room we extracted from the top of the min heap isn't free, then no other room is.
    So, we can save time here and simply allocate a new room.
Merge Intervals
                                                                                   Medium
    Meeting Rooms 🚡
                                                                                       Easy
    Minimum Number of Arrows to Burst Balloons
                                                                                   Medium
    Car Pooling
                                                                                   Medium
    Number of Flowers in Full Bloom
                                                                                      Hard
    Meeting Rooms III
    Total Cost to Hire K Workers
                                                                                   Medium
    Points That Intersect With Cars
                                                                                       Easy
Discussion (42)
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