Practice

110

Problem | Editorial | Submissions | Doubt Support

C++ (g++ 5.4) | Test against custom input

N meetings in one room

Easy Accuracy: 43.1% Submissions: 47640 Points: 2

There is **one** meeting room in a firm. There are **N** meetings in the form of **(start[i], end[i])** where **start[i]** is start time of meeting **i** and **end[i]** is finish time of meeting **i.**
What is the **maximum** number of meetings that can be accommodated in the meeting room when only one meeting can be held in the meeting room at a particular time?

Note: Start time of one chosen meeting can't be equal to the end time of the other chosen meeting.

Example 1:

Input:
N = 6
start[] = {1,3,0,5,8,5}
end[] = {2,4,6,7,9,9}
Output:
4
Explanation:
Maximum four meetings can be held with given start and end timings.

```
    public:
    //Function to find the maximum number of meetings that can
    //be performed in a meeting room.
    int maxMeetings(int start[], int end[], int n)
    {
        // Your code here
        vector<pair<int,int>>v;
        for(int i=0;i<n;i++)
        {
            v.push_back(make_pair(end[i],start[i]));


        }

        sort(v.begin(),v.end());
        int prev=v[0].first;
        int count=1;
        for(int i=1;i<n;i++)
        {
            if(prev<v[i].second)
            {
                count++;
                prev=v[i].first;
            }
        }
        return count;
    }
};

// } Driver Code Ends
```

Average Time: 20m
Your Time: 20m 46s

Compile & Run | Submit

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