Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generated

A picture containing text

Description automatically generated

Logic:

Text

Description automatically generated

See greedy approach applied when need to find min or max.

See sort the above given pair based on ending time as see the above example of 0,6. hence we need to sort based on ending time. Now for 5,8 and 8,9 since ending time same sort based on starting time now.

Text

Description automatically generated

See these 2 we cannot take in our count as starting node is same.no meeting can overlap.

Text

Description automatically generated

See here we will check for 2 and 3 and see that they do not overlap. Check for start and ending point.

Text

Description automatically generated

Now check for 4<0 no. hence make j++ and check between 3,4 and 5,7 here 4<5 yes hence count++.

A picture containing text

Description automatically generated

Now I will be at 5,7 and j at 5,9.

Same logic for another. And j reached last break the loop. Ans see we need to take last I after breaking. hence 8,9 will always be selected as everything not beyond that. Remember last (i) I am talking about.

See if we had sorted from starting point:

Text

Description automatically generated

See here 0,6 and 8,9 will come from earlier logic

Code:

Text

Description automatically generated