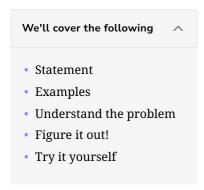


Employee Free Time

Try to solve the Employee Free Time problem.



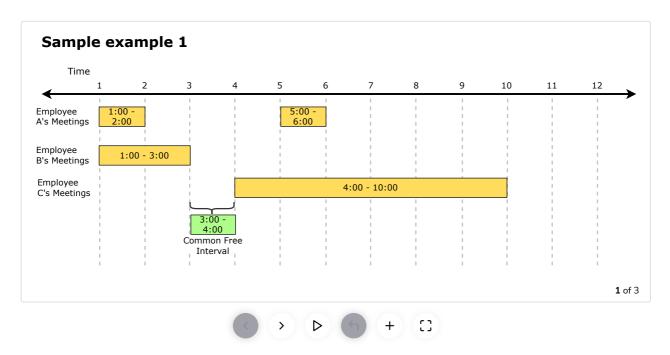
Statement

You're given a list containing the schedules of multiple employees. Each person's schedule is a list of non-overlapping intervals in sorted order. An interval is specified with the start and end time, both being positive integers. Your task is to find the list of intervals representing the free time for all the employees.

Constraints:

- $1 \leq \mathtt{schedule.length}$, $\mathtt{schedule[i].length} \leq 50$
- $0 \le \text{interval.start} < \text{interval.end} \le 10^8$, where interval is any interval in the list of schedules.

Examples



Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

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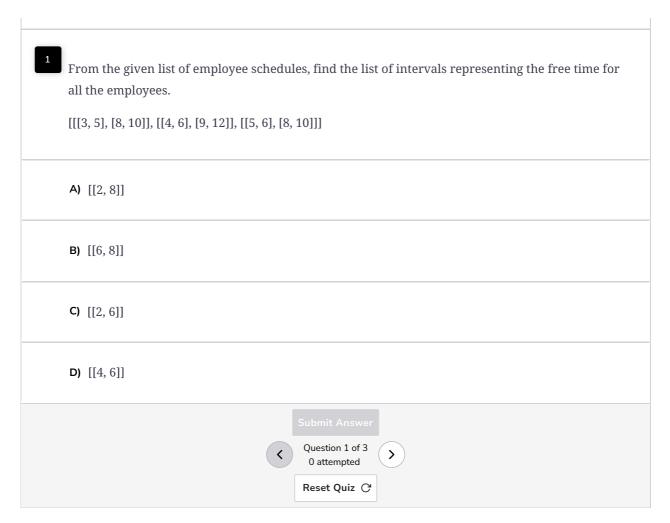
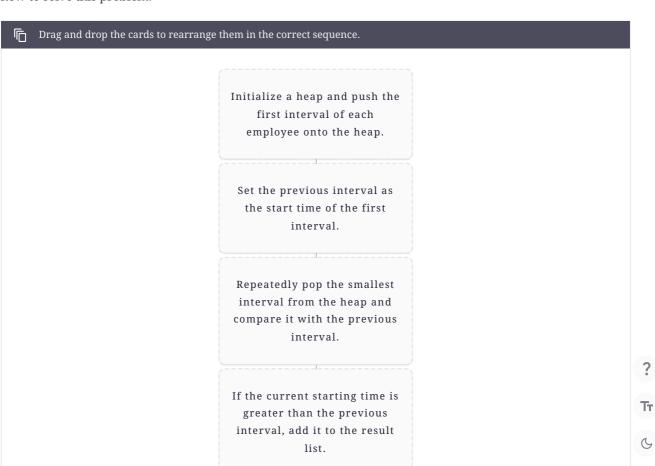
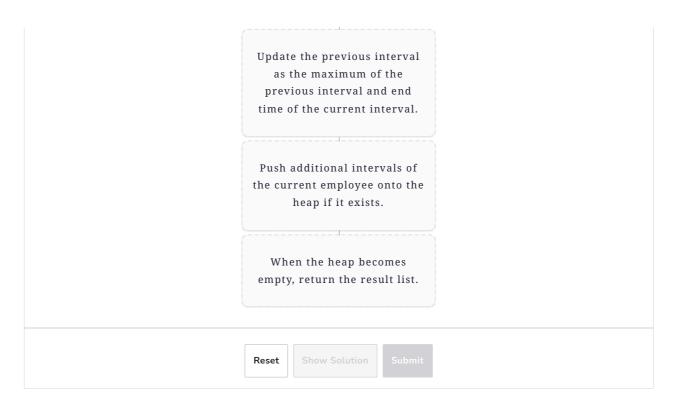


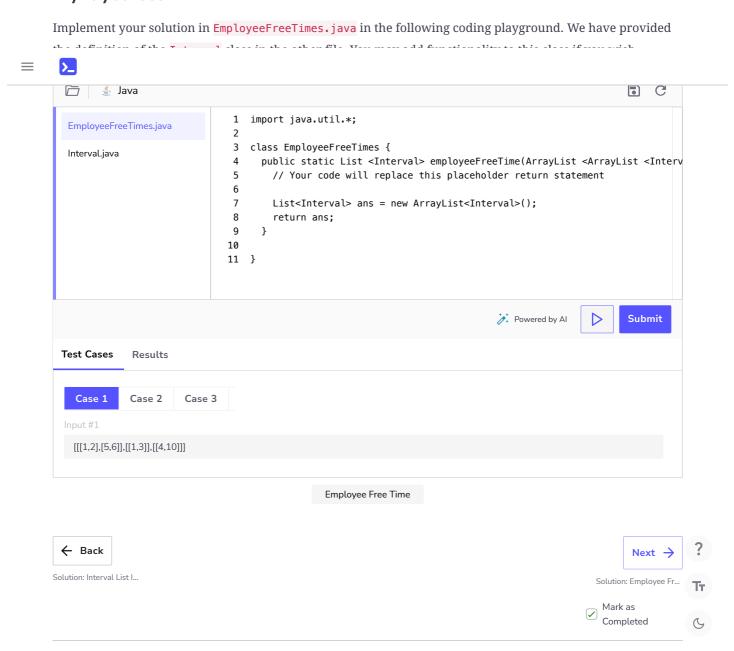
Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.





Try it yourself



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