

2494. Merge Overlapping Events in the Same Hall

Description

Table: `HallEvents`

```
+-----+-----+
| Column Name | Type |
+-----+-----+
| hall_id     | int  |
| start_day   | date |
| end_day     | date |
+-----+-----+
This table may contain duplicates rows.
Each row of this table indicates the start day and end day of an event and the hall in which the event is held.
```

Write a solution to merge all the overlapping events that are held **in the same hall** . Two events overlap if they have **at least one day** in common.

Return the result table **in any order** .

The result format is in the following example.

Example 1:

Input:
HallEvents table:

hall_id	start_day	end_day
1	2023-01-13	2023-01-14
1	2023-01-14	2023-01-17
1	2023-01-18	2023-01-25
2	2022-12-09	2022-12-23
2	2022-12-13	2022-12-17
3	2022-12-01	2023-01-30

Output:

hall_id	start_day	end_day
1	2023-01-13	2023-01-17
1	2023-01-18	2023-01-25
2	2022-12-09	2022-12-23
3	2022-12-01	2023-01-30

Explanation: There are three halls.

Hall 1:

- The two events ["2023-01-13", "2023-01-14"] and ["2023-01-14", "2023-01-17"] overlap. We merge them in one event ["2023-01-13", "2023-01-17"].
- The event ["2023-01-18", "2023-01-25"] does not overlap with any other event, so we leave it as it is.

Hall 2:

- The two events ["2022-12-09", "2022-12-23"] and ["2022-12-13", "2022-12-17"] overlap. We merge them in one event ["2022-12-09", "2022-12-23"].

Hall 3:

- The hall has only one event, so we return it. Note that we only consider the events of each hall separately.

