

## 3262. Find Overlapping Shifts Premium

Medium 🔖 Topics

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Table: `EmployeeShifts`

Column Name	Type
employee_id	int
start_time	time
end_time	time

(employee\_id, start\_time) is the unique key for this table.

This table contains information about the shifts worked by employees, including the start and end times on a specific date.

Write a solution to count the number of **overlapping shifts** for each employee. Two shifts are considered overlapping if one shift's `end_time` is **later than** another shift's `start_time`.

Return the result table ordered by `employee_id` in **ascending** order.

The query result format is in the following example.

### Example:

#### Input:

`EmployeeShifts` table:

employee_id	start_time	end_time
1	08:00:00	12:00:00
1	11:00:00	15:00:00
1	14:00:00	18:00:00
2	09:00:00	17:00:00
2	16:00:00	20:00:00
3	10:00:00	12:00:00
3	13:00:00	15:00:00
3	16:00:00	18:00:00
4	08:00:00	10:00:00
4	09:00:00	11:00:00

#### Output:

employee_id	overlapping_shifts
1	2
2	1
4	1

#### Explanation:

- Employee 1 has 3 shifts:
  - 08:00:00 to 12:00:00
  - 11:00:00 to 15:00:00
  - 14:00:00 to 18:00:00

The first shift overlaps with the second, and the second overlaps with the third, resulting in 2 overlapping shifts.
- Employee 2 has 2 shifts:
  - 09:00:00 to 17:00:00
  - 16:00:00 to 20:00:00

These shifts overlap with each other, resulting in 1 overlapping shift.
- Employee 3 has 3 shifts:
  - 10:00:00 to 12:00:00
  - 13:00:00 to 15:00:00
  - 16:00:00 to 18:00:00

None of these shifts overlap, so Employee 3 is not included in the output.
- Employee 4 has 2 shifts:
  - 08:00:00 to 10:00:00
  - 09:00:00 to 11:00:00

These shifts overlap with each other, resulting in 1 overlapping shift.

The output shows the employee\_id and the count of overlapping shifts for each employee who has at least one overlapping shift, ordered by employee\_id in ascending order.

Seen this question in a real interview before? 1/5

Yes No

Accepted **627** | Submissions **1K** | Acceptance Rate **61.1%**

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Database

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