

3338. Second Highest Salary II Premium

Medium  Topics

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Table: `employees`

| Column Name | Type |
|---------------------|----------------------|
| <code>emp_id</code> | <code>int</code> |
| <code>salary</code> | <code>int</code> |
| <code>dept</code> | <code>varchar</code> |

`emp_id` is the unique key for this table.
Each row of this table contains information about an employee including their ID, salary, and department.

Write a solution to find the employees who earn the **second-highest salary** in each department. If **multiple employees have the second-highest salary, include all employees with that salary**.

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

The result format is in the following example.

Example:

Input:

employees table:

| emp_id | salary | dept |
|--------|--------|-----------|
| 1 | 70000 | Sales |
| 2 | 80000 | Sales |
| 3 | 80000 | Sales |
| 4 | 90000 | Sales |
| 5 | 55000 | IT |
| 6 | 65000 | IT |
| 7 | 65000 | IT |
| 8 | 50000 | Marketing |
| 9 | 55000 | Marketing |
| 10 | 55000 | HR |

Output:

| emp_id | dept |
|--------|-----------|
| 2 | Sales |
| 3 | Sales |
| 5 | IT |
| 8 | Marketing |

- Explanation:**
- Sales Department:**
 - Highest salary is 90000 (emp_id: 4)
 - Second-highest salary is 80000 (emp_id: 2, 3)
 - Both employees with salary 80000 are included
 - IT Department:**
 - Highest salary is 65000 (emp_id: 6, 7)
 - Second-highest salary is 55000 (emp_id: 5)
 - Only emp_id 5 is included as they have the second-highest salary
 - Marketing Department:**
 - Highest salary is 55000 (emp_id: 9)
 - Second-highest salary is 50000 (emp_id: 8)
 - Employee 8 is included
 - HR Department:**
 - Only has one employee
 - Not included in the result as it has fewer than 2 employees

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

Yes No

Accepted 255 | Submissions 266 | Acceptance Rate 95.9%

 Topics

Database

 Discussion (0)