Problem 185: Department Top Three Salaries

Problem Information

Difficulty: Hard
Acceptance Rate: 59.15%
Paid Only: No
Tags: Database

Problem Description

Table: `Employee`

+--------------+---------+ | Column Name | Type | +--------------+---------+ | id | int | | name | varchar | | salary | int | | departmentId | int | +--------------+---------+ id is the primary key (column with unique values) for this table. departmentId is a foreign key (reference column) of the ID from the Department table. Each row of this table indicates the ID, name, and salary of an employee. It also contains the ID of their department.

Table: `Department`

+-------------+---------+ | Column Name | Type | +-------------+---------+ | id | int | | name | varchar | +-------------+---------+ id is the primary key (column with unique values) for this table. Each row of this table indicates the ID of a department and its name.

A company's executives are interested in seeing who earns the most money in each of the company's departments. A **high earner** in a department is an employee who has a salary in the **top three unique** salaries for that department.

Write a solution to find the employees who are **high earners** in each of the departments.

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

The result format is in the following example.

Example 1:

Input: Employee table:

id	name	salary	departmentId
1	Joe	85000	1
2	Henry	80000	2
3	Sam	60000	2
4	Max	90000	1
5	Janet	69000	1
6	Randy	85000	1
7	Will	70000	1

Department table:

id	name
1	IT
2	Sales

Output:

Department	Employee	Salary
IT	Max	90000
IT	Joe	85000
IT	Randy	85000
IT	Will	70000
Sales	Henry	80000
Sales	Sam	60000

Explanation: In the IT department: - Max earns the highest unique salary - Both Randy and Joe earn the second-highest unique salary - Will earns the third-highest unique salary In the Sales department: - Henry earns the highest salary - Sam earns the second-highest salary - There is no third-highest salary as there are only two employees

Constraints:

* There are no employees with the **exact** same name, salary _and_ department.

Code Snippets

MySQL:

```
# Write your MySQL query statement below
```

MS SQL Server:

```
/* Write your T-SQL query statement below */
```

PostgreSQL:

```
-- Write your PostgreSQL query statement below
```