

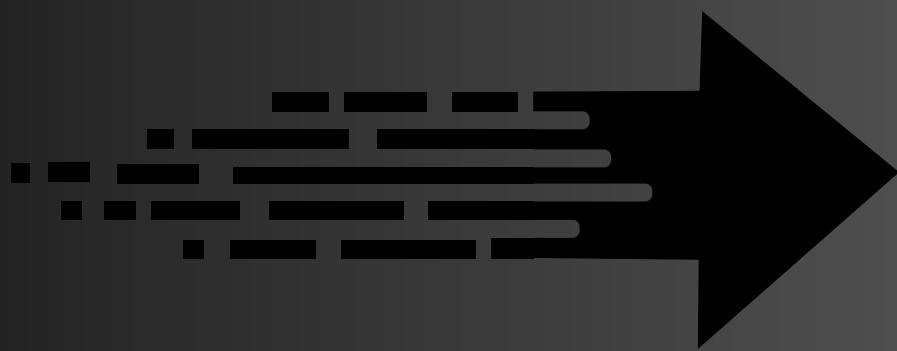


LeetCode

50 Days 50 SQL Questions
Work In Progress

Day 42/50

***42. Department Top 3
Salaries***





50 Days 50 SQL Questions

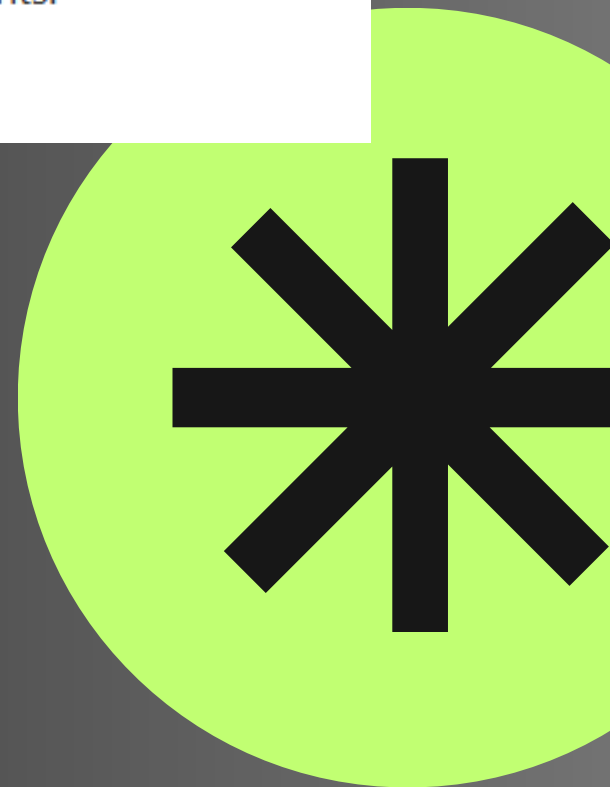
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Question

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**.





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Table

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



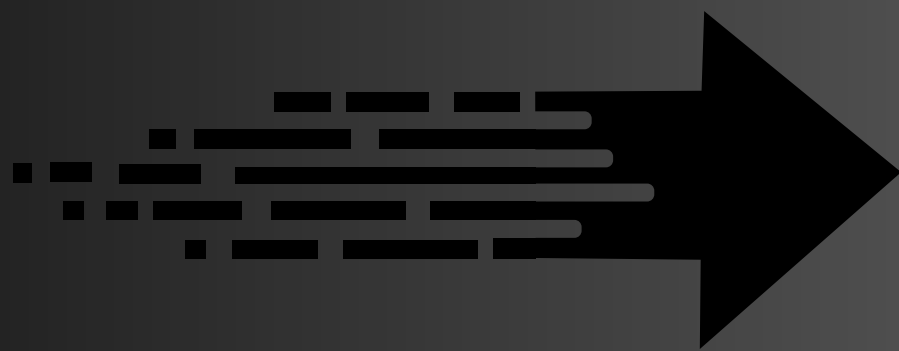


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Approach

Used a window func `DENSE_RANK` in a subquery to give ranks to employees based on their salaries in their dept and selecting those records where the rank is less than or equal to 3.





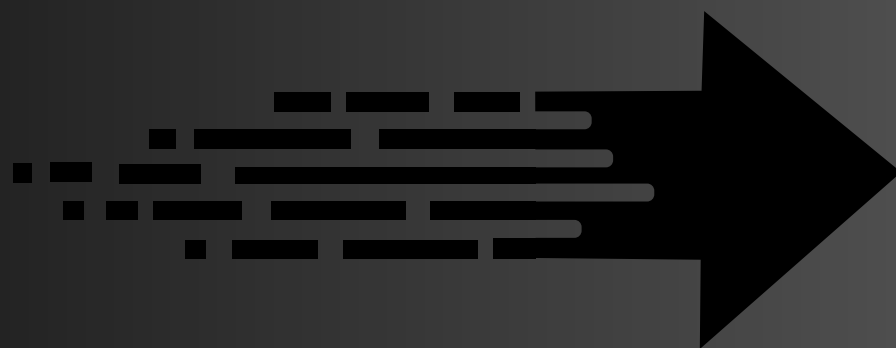
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Query

MySQL Auto

```
1  # Write your MySQL query statement below
2  SELECT
3      Department,
4      Employee ,
5      Salary
6  FROM(
7      SELECT
8          d.name as Department,
9          e.name as Employee , salary,
10         DENSE_RANK() OVER(PARTITION BY e.departmentId ORDER BY salary DESC) AS rnk
11     FROM employee e INNER JOIN department d
12         ON e.departmentId = d.id
13 ) AS subquery
14 WHERE rnk <= 3;
```





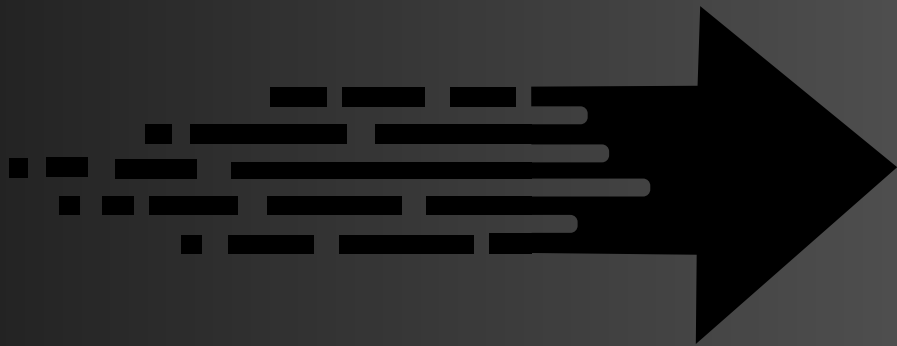
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Output

Output:

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





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Thank You :)

