LEETCODE

Q1

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**.

SOL

# Write your MySQL query statement below

Select d.name as Department , e.name as Employee , e.salary as Salary

from

(

    SELECT \*,

           DENSE\_RANK() OVER (PARTITION BY departmentId ORDER BY salary DESC) AS salary\_rank

    FROM Employee

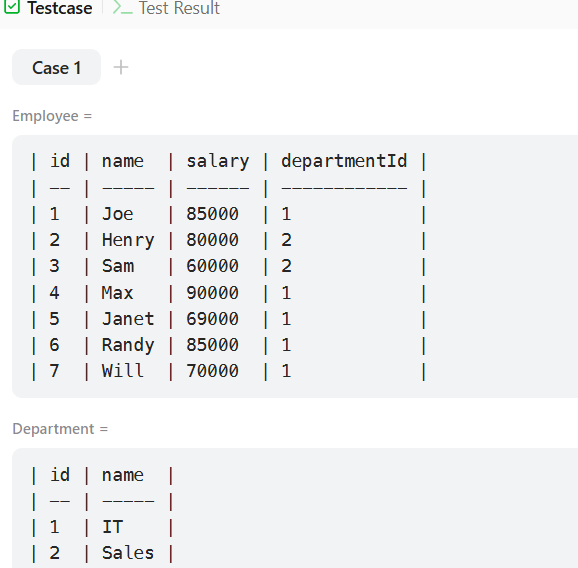
)

e

join Department d

on e.departmentId= d.id

where e.salary\_rank <= 3;



**Q2**

Write a solution to report the first name, last name, city, and state of each person in the Person table. If the address of a personId is not present in the Address table, report null instead.

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

SOL

SELECT

    p.firstName,

    p.lastName,

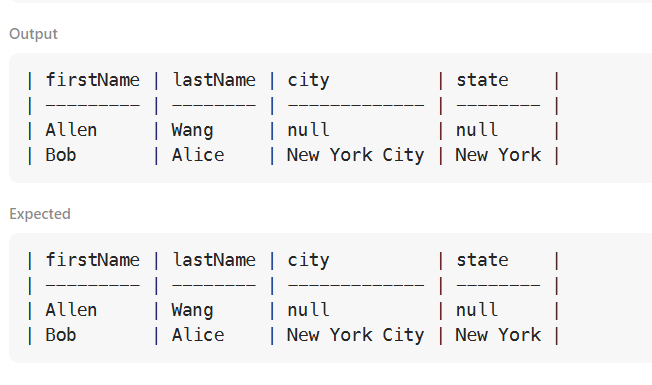
    a.city,

    a.state

FROM Person p

LEFT JOIN Address a

    ON p.personId = a.personId;



**Q3**

Write a solution to find the employees who earn more than their managers.

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

SOL

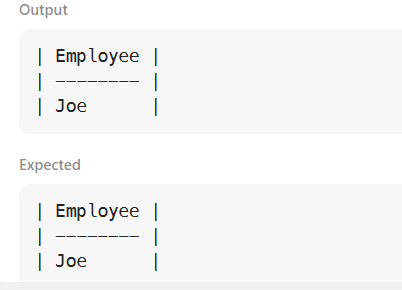
SELECT e1.name AS Employee

FROM Employee e1

JOIN Employee e2

  ON e1.managerId = e2.id

WHERE e1.salary > e2.salary;



**Q4.**

Write a solution to report all the duplicate emails. Note that it's guaranteed that the email field is not NULL.

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

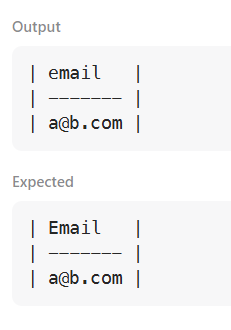
SOL

SELECT email

FROM Person

GROUP BY email

HAVING COUNT(\*) > 1;



**Q5.**

Find all numbers that appear at least three times consecutively.

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

SOL

SELECT DISTINCT l1.Num AS ConsecutiveNums

FROM Logs l1

JOIN Logs l2 ON l1.Id = l2.Id - 1

JOIN Logs l3 ON l1.Id = l3.Id - 2

WHERE l1.Num = l2.Num AND l1.Num = l3.Num;

