**Leetcode Database**

**8/5**

30 minutes

**176. Second Highest Salary**

How to deal with null value and remember to use distinct

Method 1: use select

Method 2: Max(Distinct Salary)

Limit 1 offset 1 could be limit 1,1

select

(select distinct Salary from Employee

order by Salary desc

limit 1 offset 1) SecondHighestSalary

**175. Combine Two Tables**

Left join

select FirstName, LastName, City, State

from Person left join Address

on Person.PersonId = Address.PersonId

**181. Employees Earning More Than Their Managers**

The order of join?

select e1.Name Employee from

Employee e1 join Employee e2

on e1.ManagerId = e2.Id

where e1.Salary > e2.Salary

**1179. Reformat Department Table**

Case when and sum

select id,

sum(case when month = 'Jan' then revenue end) Jan\_revenue,

sum(case when month = 'Feb' then revenue end) Feb\_revenue,

sum(case when month = 'Mar' then revenue end) Mar\_revenue,

sum(case when month = 'Apr' then revenue end) Apr\_revenue,

sum(case when month = 'May' then revenue end) May\_revenue,

sum(case when month = 'Jun' then revenue end) Jun\_revenue,

sum(case when month = 'Jul' then revenue end) Jul\_revenue,

sum(case when month = 'Aug' then revenue end) Aug\_revenue,

sum(case when month = 'Sep' then revenue end) Sep\_revenue,

sum(case when month = 'Oct' then revenue end) Oct\_revenue,

sum(case when month = 'Nov' then revenue end) Nov\_revenue,

sum(case when month = 'Dec' then revenue end) Dec\_revenue

from Department

group by id

**183. Customers Who Never Order**

select Name Customers

from Customers

where Id not in (select CustomerId from Orders)