



Homework Week 4

Proving yourself worthy of being able to handle bigger tasks, the tech lead has decided to give you a challenging job. However, this time, the data that you would be handling is very sensitive and no one wants this data to be leaked. Therefore, instead of getting the entire table, the tech lead has given you the list of attributes that the table contains and the table name. The information given is as follows:

Table Name: employees	
Attribute Name	Attribute type
employee_id	char(10)
first_name	varchar(20)
last_name	varchar(20)
email	varchar(60)
phone_number	char(14)
hire_date	date
job_id	int
salary	int
commission_pct	decimal(5,3)
manager_id	char(10)
department_id	int

You are tasked with building the queries to retrieve the following information:

1. Find the **employee_id**, **last_name**, **email**, **salary** and **department_id** of all the employees with the highest **salary** in each department.
2. Find the **employee_id**, **last_name**, **email**, **commission_pct** and **department_id** of all the employees with the highest **commission_pct** in each department.
3. Find the **employee_id**, **last_name**, **email**, **commission_pct** and **department_id** of all the employees with the lowest **commission_pct** in each department.
4. Find the **employee_id**, **last_name**, **email**, **commission_pct** and **department_id** of all the employees in department ABCXYZ (department id = 5) who have a higher **commission_pct** than any of the employees of department XYZABC (department id = 7) .
5. Find the **employee_id**, **last_name**, **email**, **salary** and **department_id** of all the employees in department ABCXYZ (department id = 5) who have a higher **salary** than any of the employees of department XYZABC (department id = 7) .
6. For each of the departments, find the **department_id**, **job_id** and **salary** with **salary** less than at least one other **job_id** in the department.
7. Find the **manager_id** for who have at least one employee under them with a **salary** less than 2500.
8. Find the **manager_id** for who have at least one employee under them with a **commission_pct** less than 18.25.
9. Find the **manager_id** for who does not have any employee under them with a **salary** less than 3500.
10. Find the **manager_id** for who does not have any employee under them with a **commission_pct** less than 45.05.

Write queries for these problems in your machine and submit the queries in the following google form :

[link of the google form](#)

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