Department of Computer Science and Engineering

Course Code: CSE 370	Credits: 3.0
Course Name: Database Systems	Semester: Fall 2025

Lab Assignment 2

Proving yourself worthy of being able to handle more significant tasks, the tech lead has decided to give you a challenging job. However, this time, the data 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:

You will use a database called **Company_<Your8DigitStudentID>.**

Format: CREATE DATABASE Company_<Your8DigitStudentID>;
CREATE DATABASE Company_12345678;
USE Company_12345678;

Table Name: *Employee*	
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	char(10)
salary	int
commission_pct	decimal(5,3)
manager_id	char(10)
department_id	char(10)

Write down the queries to retrieve the following information: [7 X 2 =14]

1. Find the **first_name, last_name, email, phone_number, hire_date** and **department_id** of all the employees with the latest **hire_date**.

2. Find the ***first_name, last_name, employee_id, phone_number, salary*** and ***department_id*** of all the employees with the lowest **salary** in each department.

3. Find the ***first_name, last_name, employee_id, commission_pct*** and ***department_id*** of all the employees in the department 'DPT007' who have a lower commission_pct than all of the department 'DPT005' employees.

4. Find the **department_id** and total number of employees of each department which does not have a single employee under it with a **salary** more than 30,000.

5. For each department, find the ***department_id, job_id*** and ***commission_pct*** with ***commission_pct*** less than at least one other ***job_id*** in that department.

6. Find the ***manager_id*** who does not have any employee under them with a ***salary*** less than 3500.

7. Find the ***first_name, last_name, employee_id, email, salary, department_id*** and ***commission_pct*** of the employee with the lowest ***commission_pct*** under each manager.