# EXERCISE 4

Date: 01/08/2025

**Create a table called EMP with the following structure.**

Name Type
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**EMPLOYEE_ID INT**
**FIRST_NAME VARCHAR**
**LAST_NAME VARCHAR**
**EMAIL VARCHAR**
**PHONE_NUMBER VARCHAR**
**HIRE_DATE DATE**
**JOB_ID VARCHAR (like IT_PROG, AD_PRES)**
**COMMISSION_PCT FLOAT**
**MANAGER_ID INT**
**DEPARTMENT_ID INT**
***IT, ST*** *specifies a particular department name*
***Department names should be*** *Administration, Marketing, Purchasing, Human Resources, Shipping, IT, Public Relations, Sales, Executive, Finance, Accounting, Treasury, Corporate Tax, Control And Credit, Shareholder Services, Manufacturing, Construction, Contracting, IT Support, IT Helpdesk, Government Sales, Retail Sales, Recruiting, Payroll*

Create dept table called DEPT with the following structure.

Name Type
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**DEPARTMENT_ID INT**
**DEPARTMENT_NAME VARCHAR**
**MANAGER_ID INT**
**LOCATION_ID INT**

**Create a location table called LOCA with the following structure.**

Name Type
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**LOCATION_ID INT**
**STREET_ADDRESS VARCHAR**
**POSTAL_CODE INT**
**CITY VARCHAR**
**STATA_PROVINCE VARCHAR**
**COUNTRY_ID INT**

1. Display all the information of an employee whose id is any of the number **134, 159** and **183**. ***(use In)***
2. Write a query to display all the information of the employees who does not work in those departments where some employees work whose manager id within the range **100 and 200.** ***(use Not in & Between)***
3. Write a query to display all the information for those employees whose id is any id who earn the second highest salary. ***(use In & Max)***
4. Write a query to display the employee number and name (first name and last name) for all employees who work in a department with any employee whose name contains a **T.** ***(use In)***

5. Write a query to display the employee number, name (first name and last name), and salary for all employees who earn more than the average salary and who work in a department with any employee with a **J** in their name. ***(use avg & In)***
6. Write a query to display the employee number, name (first name and last name) and job title for all employees whose salary is smaller than any salary of those employees whose job title is **IT_PROG.** ***(use any)***
7. Write a query to display the employee number, name (first name and last name) and job title for all employees whose salary is smaller than any salary of those employees whose job title is **IT_PROG.**. Exclude Job title **IT_PROG.** ***(use any)***
8. Write a query to display the employee number, name (first name and last name) and job title for all employees whose salary is more than any salary of those employees whose job title is **IT_PROG**. Exclude job title **IT_PROG**. ***(use all)***
9. Write a query to display the employee number, name (first name and last name) and job title for all employees whose salary is more than any average salary of any department. ***(use all & avg)***
10. Write a query to display all the information of the employees whose salary is within the range of smallest salary and **2500.** ***(use Between & min)***