**29/08/2025: Practice exercise on Stored procedures and functions**

**Company Schema:**

**Tables to be created:**

CREATE TABLE departments (

department\_id PRIMARY KEY,

dept\_name VARCHAR(100) UNIQUE NOT NULL

);

CREATE TABLE employees (

emp\_id PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

department\_id INT REFERENCES departments(department\_id),

salary NUMERIC(10, 2),

hire\_date DATE DEFAULT CURRENT\_DATE

);

**Questions:**

1. Procedure to insert a new department
2. Function to get employees by department name
3. Procedure to give a 10% raise in salary by department name
4. Function to add a new employee
5. Procedure to delete a department only if no employees assigned
6. Function to return employee count in a department
7. Function to get total salary expense for a department
8. Function returning all employees hired after a given date