SE 2222 Database Systems

Week 14

1 Context

In this lab work, you're expected to write SQL statements for given questions in order to get familiar with basic SQL statements by

- create view
- create trigger

2 Problem Description

Questions are listed below. You will be using tables created by the demo.sql script.

1. Create a view named HighSal that includes the employee number, name, and salary of all employees with a salary greater than 2000.

2. Insert a row into the HighSal table with the values (1234, Employee1, 5000).

3. Display employee number, name, and salary of all employees with a salary greater than 2000 by using the HighSal table.

4. Display employee number, name, and salary of all employees with a salary greater than 2000 by using the EMP table.

5. Create a view named DeptSal that shows all department numbers and their total salary expenses.

6. Display the departments with a total salary expense greater than 9000 by using the DeptSal table.

7. Create a table named LOGEMP with the following attributes

   - EMPNO DECIMAL(4,0) -For Employee ID
   - ENAME VARCHAR(10) -For Name of the Employee
   - LOGDATE DATE -For Date of Log Entry
   - LOGTYPE VARCHAR(10) -For Type of Log Entry

8. Create a trigger that fires after insertion on the EMP table and log entry added to the LOGEMP table with empno, ename, current date, and logtype "insert".

9. Create a trigger that fires after delete on the EMP table and log entry added to the LOGEMP table with empno, ename, current date, and logtype "delete".

10. Create a trigger that fires after update on the EMP table and log entry added to the LOGEMP table with empno, ename, current date, and logtype "update".