

SE 2222 Database Systems

Week 12

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

- using subqueries
- using insert
- using update
- using delete

2 Problem Description

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

1. Display names and salaries of employees who earn more than JONES(EMPNO=7566)
2. Display employee number and names for all employees who earn more than the average salary
3. Display names of managers
4. Display employees' names and salaries whose salary is greater than the average salaries of all departments (Hint: Use ALL)
5. Display names and jobs of employees who are not clerks and whose salary is less than any clerk (Hint: Use ANY)
6. Insert a row into dept table without using column names (SOFTWARE, 50)
7. Insert a row into emp table using column names ename, empno and hiredate (EMPLOYEE1, 1234, CURRENT_DATE())
8. Insert employees who assigned commission into the bonus table with all required values
9. Update dept table as 'SOFTWARE' department's location to 'IZMIR'
10. Update salaries of all employees increasing 10 percent
11. Delete employee with empno 1234
12. Delete departments with no employees