

DATABASE MANGEMENT SYSTEMS

2015-2016 FALL SEMESTER

LABORATORY MANUAL

Experiment 3

Exercises :

Consider the relation schema given below.

Emp [Eid, Name, Salary, City]

Dept [Did, Mgr, Budget, City] , Dept[Mgr] is foreign key of Emp.

WorksIn [Did, Eid] , WorksIn[Eid] is foreign key of Emp, WorksIn[Did] is foreign key of Dept

1. Draw an ER diagram for the relation schema given above.
2. Create the tables according to relation schema given above.
3. Insert at least 5 records into each table.
4. Write SQL queries for the following questions.
 - a. Find all employees name whose salary is less than 2000,00 YTL.
 - b. Find the employee whose City is İstanbul.
 - c. Add a column Age to the Emp table.
 - d. According to new column 'Age' in c, find all 40 year old employees.
 - e. Find the Mgr who works in a department located in 'Eskişehir'.
 - f. Delete the records from Dept table whose Budget less than 10000,00 YTL.
 - g. Update the Budget of department to 30000,00 YTL whose City is Ankara.