

CSE 348 Database Management Systems

ASSIGNMENT 3

Import the **SQL Import** file from the coadsys page and answer the following questions. You will write 2 separate select queries for this assignment.

Write the proper SQL statement for the following operations:

a) Get all product_name as NAME, category as PRODUCT_CATEGORY, price as PRODUCT_PRICE of products whose category is c1, c2, c5 and price is between 10.00 and 40.00. Order result set by price in ascending order. When you are retrieving result set, you should obey some rules:

- 1) The double values should be rounded with the digit before dot, e.g., 24.2211 should be represented with 24.
- 2) If any one of the price is lower than 20, you should represent it with writing 'LOWER THAN 20' to the related cell in the result set, else you should write price value directly.
- 3) Add TL after all price values, e.g, 30 TL, LOWER THAN 20 TL, etc...
- 4) You should show names with upper case format, e.g., if product name is Cse, show it as CSE.

b) Get all salesman_name as NAME, hire_date as HIREDATE, salary as SALESMAN_SALARY, annual salary (12*salary) as ANNUAL_SALARY of salesmans who start job not more than 6 years ago or have salary between 850 and 1100. Order result set by HIREDATE in ascending order. When you are retrieving result set, you should obey some rules:

- 1) You should show date with format like in the following example. If date is 2014-01-01, you should show it as 01/01/2014.
- 2) The double values should be truncated with the first digit after dot, e.g., 24.5611 should be represented with 24.5.
- 3) If any one of the salary is smaller than 1000, you should represent it with writing 'SMALLER THAN 1000' to the related cell in the result set, else you should write salary value directly.
- 4) Add TL after all salary values, e.g, 1045 TL, SMALLER THAN 1000 TL, etc...
- 5) You should show names with upper case format, e.g., if salesman name is Cse, show it as CSE.

!! Do not forget that we can change the values in tables, so you should write the proper SQL statements. Do not use hardcoded values in SQL statements. If we fetch such a case, you will get 0 in your assignment!!!

Write all your statements *in a single SQL file* and name it with **your name and surname**, attached in front of "Assignment3" (e.g. "**GokhanAkgunAssignment3.sql**").

Submit your work through the "**CSE 348 - Assignment 3**" link on the course page at COADSYS.