CSE 348 Database Management Systems
ASSIGNMENT 4
(GROUPING FUNCTIONS)

Import the SQL Import file from the **coadsys page** and answer the following questions **separately**. You will write 6 separate queries for this assignment.

Write the proper SQL statement for the following operations:

a) Get year of hire date, total, maximum, average salary according to year of hire date of salesmans who were hired after year 2012 and having maximum salary according to year bigger than 1000.

When you are retrieving result set, you should obey some rules:
1) The double values should be truncated with 1 digit after dot, e.g., 24.2211 should be represented with 24.2.
2) Add TL after all salary values, e.g, 900 TL, etc...

b) Get year of hire date, total, minimum, average salary according to year of hire date of salesmans who were hired between years 2014 and 2017 and having maximum salary according to year bigger than 1000.

When you are retrieving result set, you should obey some rules:
1) The double values should be truncated with the digit before dot, e.g., 24.2211 should be represented with 24.
2) Add TL after all salary values, e.g, 900 TL, etc...

c) Get category name, total, maximum, average product_price according to category of products whose category is c1, c2, c4 and having maximum price according to category bigger than 20.

When you are retrieving result set, you should obey some rules:
1) The double values should be truncated with 1 digit after dot, e.g., 24.2211 should be represented with 24.2.
2) Add TL after all price values, e.g, 30 TL, etc…

d) Get year of hire date as YEAR_OF_HIRE, total as TOTAL_SALARY, minimum as MINIMUM_SALARY, average salary as AVERAGE_SALARY according to year of hire date of salesmans who were hired between years 2012 and 2016 and having total salary according to year bigger than 1500. Sort results according to total salary in ascending order.

When you are retrieving result set, you should obey some rules:
1) The double values should be rounded with 1 digit after dot, e.g., 24.2611 should be represented with 24.3.
2) Add TL after all salary values, e.g, 900 TL, etc...

e) Get category name, total, maximum, minimum, average product_price according to category of products whose category is c1, c3, c4 and having total price according to category bigger than 25. Sort results according to category name in descending order.

When you are retrieving result set, you should obey some rules:
1) The double values should be truncated with 0 digit after dot, e.g., 24.2211 should be represented with 24.
2) Add TL after all price values, e.g, 30 TL, etc…
3) Show names with its uppercase form.

f) Get year as SALE_YEAR, average commission ratio as AVERAGE_COMMISSION according to month of sales which is done before 2015-02-01 and having average commission ratio according to month of sales bigger than 0.02.

When you are retrieving result set, you should obey some rules:
1) The double values should be rounded with 3 digits after dot, e.g., 0.7288 should be represented with 0.729.
2) Add TL after all price values, e.g, 30 TL, etc…

!! 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 "Assignment4" (e.g. "*GokhanAkgunAssignment4.sql*").

Submit your work through the "*CSE 348 - Assignment 4*" link on the course page at COADSYS.