

CSE 348 Database Management Systems

ASSIGNMENT 5

(SUBQUERIES)

Import the SQL Import file from the **coadsys** page and answer the following questions **separately**. You will write 7 separate queries for this assignment.

Write the proper SQL statement for the following operations:

a) Get category, total price according to category, maximum price according to category, average price according to category of products which are done by salesmans whose hire year is after 2012 and salary is bigger than 1020.

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.

b) Get name of customers who bought products in category of c2,c3,c4,c5 and having maximum price according to category is higher than 15.

When you are retrieving result set, you should obey some rules:

- 1) All names should be in upper case form.

c) Get name of customers who bought products in category of c1,c3,c4 and having maximum price according to category is lower than 15.

When you are retrieving result set, you should obey some rules:

- 1) All names should be in upper case form.

d) Get name of customers who bought products not in category of c1,c3,c4 and having minimum price according to category is higher than 5. Sort result set according to name in ascending order.

When you are retrieving result set, you should obey some rules:

- 1) All names should be in upper case form.

e) Get category, total price according to category, maximum price according to category, average price according to category of products which are done by salesmans whose hire year is before 2015 and salary is bigger than 1010. Sort result set according to total price 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, 900 TL, etc...

f) Get category and their total price of products whose sale is done with commission ratio bigger than 0.05. Sort result set according to total price.

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., 0.7288 should be represented with 0.7.
- 2) Add TL after all price values, e.g, 30 TL, etc...

g) Get category, price, price with VAT ($1.08 \times \text{price}$) of products whose sale is done with commission ratio bigger than average commission ratio of all sales. Sort result set according to price with VAT.

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., 0.7288 should be represented with 0.7.
- 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 "Assignment5" (e.g. "**YusufCanSemerciAssignment5.sql**"). Submit your work through the "**CSE 348 - Assignment 5**" link on the course page at COADSYS.