Laboratory work 6

Use lab6.sql to create and fill tables

1. Write a SQL query using Joins:

   a. combine each row of dealer table with each row of client table

   b. find all dealers along with client name, city, grade, sell number, date, and amount

   c. find the dealer and client who belongs to same city

   d. find sell id, amount, client name, city those sells where sell amount exists between 100 and 500

   e. find dealers who works either for one or more client or not yet join under any of the clients

   f. find the dealers and the clients he service, return client name, city, dealer name, commission.

   g. find client name, client city, dealer, commission those dealers who received a commission from the sell more than 12%

   h. make a report with client name, city, sell id, sell date, sell amount, dealer name and commission to find that either any of the existing clients haven't made a purchase(sell) or made one or more purchase(sell) by their dealer or by own.

   i. find dealers who either work for one or more clients. The client may have made, either one or more purchases, or purchase amount above 2000 and must have a grade, or he may not have made any purchase to the associated dealer. Print client name, client grade, dealer name, sell id, sell amount

2. Create following views:

   a. count the number of unique clients, compute average and total purchase amount of client orders by each date.

   b. find top 5 dates with the greatest total sell amount

   c. count the number of sales, compute average and total amount of all sales of each dealer

   d. compute how much all dealers earned from charge(total sell amount * charge) in each location

   e. compute number of sales, average and total amount of all sales dealers made in each location

   f. compute number of sales, average and total amount of expenses in each city clients made.

   g. find cities where total expenses more than total amount of sales in locations