Bissenova Anara / 20BD / Lab 6

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INSERT INTO dealer (id, name, location, charge) VALUES (101, 'Ерлан', 'Алматы', 0.15);
create table client (
INSERT INTO client (id, name, city, priority, dealer id) VALUES (802, 'Айша', 'Алматы', 100, 101);
INSERT INTO client (id, name, city, priority, dealer id) VALUES (808, 'Ильяс', 'Нур-Султан', 300, 102);
INSERT INTO client (id, name, city, priority, dealer id) VALUES (803, 'Mawa', 'Cemeй', 200, 107);
   dealer id integer references dealer (id)
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NSERT INTO sell (id, amount, date, client id, dealer id) VALUES (201, 150.5, '2012-10-05 00:00:00.000000', 805, 102);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (209, 270.65, '2012-09-10 00:00:00.000000', 801, 105);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (202, 65.26, '2012-10-05 00:00:00.000000', 802, 101);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (204, 110.5, '2012-08-17 00:00:00.000000', 809, 103);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (207, 948.5, '2012-09-10 00:00:00.000000', 805, 102);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (205, 2400.6, '2012-07-27 00:00:00:00.000000', 807, 101);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (203, 2480.4, '2012-10-10 00:00:00.000000', 809, 103);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (211, 75.29, '2012-08-17 00:00:00.000000', 803, 107);
INSERT INTO sell (id, amount, date, client id, dealer id) VALUES (213, 3045.6, '2012-04-25 00:00:00.000000', 802, 101);
"TASK1.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
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,
q. 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.
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"
from dealer cross join client;
 rom dealer inner join sell on (dealer.id = sell.dealer id))
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from tb inner join client on client id = client.id;
from dealer inner join client on (location = city);
from client inner join sell s on client.id = s.client id where amount between 100 and 500;
from dealer right outer join client on (dealer.id = client.dealer id) group by dealer.name
naving count(dealer.name) >= 0;
from dealer inner join client on (dealer.id = client.dealer id) where charge > 0.12;
from sell s inner join dealer d on d.id = s.dealer id)
did
    from client inner join sell on (client.id = sell.client id) group by (client.name, priority, client.dealer id))
"TASK2. Create following views:
a. count the number of unique clients, compute average and total purchase
amount of client orders by each date.
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
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f. compute number of sales, average and total amount of expenses in
each city clients made.
q. find cities where total expenses more than total amount of sales in
locations"
   select date, count(c.id) as count, avg(amount), sum(amount)
   select date, count(c.id) as count, avg(amount), sum(amount) as total
    select dealer.name, count(sell.id), avg(amount), sum(amount)
   from dealer inner join sell on dealer.id = sell.dealer id group by dealer.name;
select * from dealer sale;
   select dealer.location, count(sell.id), avg(amount), sum(amount)
   from dealer inner join sell on dealer.id = sell.dealer id group by dealer.location;
select * from sales in loc;
   select client.city, count(sell.id), avg(amount), sum(amount)
   from client inner join sell on client.id = sell.client id group by client.city;
```