**Day-3 Assignment:-**

**Date :- 19th August,2022**

Dataset Link:

https://drive.google.com/file/d/11jJe-ZHSM36\_m\_cGyaV\_TsaPYW\_YFU9h/view?usp=sharing, https://drive.google.com/file/d/1FXAg-wxDfPMfrVcTfXSUEjHxV4BLD5NK/view?usp=sharing, https://drive.google.com/file/d/1deq6kebh0DRe3W1U-DYAKxqyuBq840EW/view?usp=sharing

Or Use

**http://sqlfiddle.com/#!17/c6dce/250**

Tables:

* **customer**
* **orders**
* **saleman**

-- SOLVE ASSIGNMENT QUESTIONS --

1. Write query to find the salesperson and customer who reside in the same city. Return Salesman, cust\_name and city

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select s.`name` as salesman, c.cust\_name, s.city

from

salesman as s

join

customer as c

on

s.salesman\_id = c.salesman\_id;

2. Write a query to find salesmen who have no customers.

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select s.name salesmen, c.cust\_name

from

salesman as s

left join

customer as c

on

s.salesman\_id = c.salesman\_id

where cust\_name is null;

3. Write a query to find customers who have no orders.

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select c.\*, o.\*

from

customer as c

left join

orders as o

on

c.customer\_id = o.customer\_id

where ord\_no is null;

4. Write a query to find number of orders per customer.

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select c.customer\_id, c.cust\_name customers, count(o.ord\_no) order\_count

from

customer as c

inner join

orders as o

on

c.customer\_id = o.customer\_id

group by c.cust\_name

order by 1,2;

5. Write a query to find customers who have placed more than 1 orders.

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select c.customer\_id, c.cust\_name customers, count(o.ord\_no) as order\_count

from

customer as c

inner join

orders as o

on

c.customer\_id = o.customer\_id

group by c.cust\_name

having count(o.ord\_no) > 1;

6. Write a query to find customers who placed an order between 2012-09-01 and 2012-10-01

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select c.\*, o.\*

from

customer as c

inner join

orders as o

on

c.customer\_id = o.customer\_id

where o.ord\_date between '2012-09-01' and '2012-10-01';

-- where (orders.ord\_date > 2012-09-01) and (orders.ord\_date < 2012-10-01);

7. Write a query to find orders sold and amount taken from customers by each salesman.

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select a.salesman\_id, a.name,

count(b.ord\_no) as order\_sold,

sum(b.purch\_amt) as order\_amt\_collected

from

salesman as a

inner join

orders as b

on a.salesman\_id = b.salesman\_id

group by 1,2

order by 1,2;

8. Write a query to find those orders where the order amount exists between 500 and 2000.

Return ord\_no, purch\_amt, cust\_name, city.

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select ord\_no, purch\_amt, cust\_name, city

from

orders

inner join

customer

on

orders.salesman\_id - customer.salesman\_id

where purch\_amt between 500 and 2000

order by 2;

9. Write a SQL query to locate those salespeople who do not live in the same city

where their customers live and have received a commission of more than 12% from the company. Return Customer Name, customer city, Salesman, salesman city, commission.

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select c.cust\_name customer\_name, c.city customer\_city,

s.`name` salesman\_name, s.city salesman\_city, s.commission

from

customer as c

join

salesman as s

on c.salesman\_id = s.salesman\_id

where (s.city <> c.city) and s.commission > 0.12;

10. Write a SQL query to find the details of an order. Return ord\_no, ord\_date, purch\_amt, Customer Name, grade, Salesman, commission.

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select

a.ord\_no,a.ord\_date,a.purch\_amt,

b.cust\_name as customer\_name,

c.name as salesman\_name,

c.commission

from

orders as a

join

customer as b

on a.customer\_id = b.customer\_id

join

salesman as c

on a.salesman\_id = c.salesman\_id

order by 1;