

Assignment – 9
Querying Multiple Tables at Once.

- 1) Write a query that lists each order number followed by the name of the customer who made the order.

```
W2_93085_Tejal select onum,cname from orders,customers  
-> where orders.snum=customers.snum;
```

onum	cname
3001	Cisneros
3003	Clemens
3003	Hoffman
3002	Pereira
3005	Grass
3005	Liu
3006	Cisneros
3009	Giovanni
3007	Grass
3007	Liu
3008	Clemens
3008	Hoffman
3010	Grass
3010	Liu
3011	Clemens
3011	Hoffman

```
16 rows in set (0.00 sec)
```

- 2) Write a query that gives the names of both the salesperson and the customer for each order along with the order number.

```
W2_93085_Tejas SELECT
-> Orders.Onum AS Order_Number,
-> Customers.Cname AS Customer_Name,
-> Salespeople.Sname AS Salesperson_Name
-> FROM Orders, Customers, Salespeople
-> WHERE Orders.Cnum = Customers.Cnum
-> AND Orders.Snum = Salespeople.Snum;
```

Order_Number	Customer_Name	Salesperson_Name
3003	Hoffman	Peel
3003	Hoffman	Peel
3009	Giovanni	Axelord
3005	Liu	Serres
3010	Grass	Serres
3007	Grass	Serres
3011	Clemens	Peel
3011	Clemens	Peel
3008	Clemens	Peel
3008	Clemens	Peel
3006	Cisneros	Rifkin
3001	Cisneros	Rifkin
3002	Pereira	Motika

13 rows in set (0.00 sec)

- 3) Write a query that produces all customers serviced by salespeople with a commission above 12%. Output the customer's name, the salesperson's name, and the salesperson's rate of commission.

```
W2_93085_Tejas SELECT
-> Customers.Cname AS Customer_Name,
-> Salespeople.Sname AS Salesperson_Name,
-> Salespeople.Comm AS Commission_Rate
-> FROM Customers, Salespeople
-> WHERE Customers.Snum = Salespeople.Snum
-> AND Salespeople.Comm > 0.12;
```

Customer_Name	Salesperson_Name	Commission_Rate
Liu	Serres	0.13
Grass	Serres	0.13
Cisneros	Rifkin	0.15

3 rows in set (0.00 sec)

- 4) Write a query that calculates the amount of the salesperson's commission on each order by a customer with a rating above 100.

```
W2_93085_Tejas SELECT
-> o.Onum AS order_id,
-> o.Cnum AS cust_id,
-> o.Amt AS order_amt,
-> (SELECT s.Comm
-> FROM SALESPEOPLE s
-> WHERE s.Snum = c.Snum) AS commission_rate,
-> o.Amt *
-> (SELECT s.Comm
-> FROM SALESPEOPLE s
-> WHERE s.Snum = c.Snum) AS commission_amount
-> FROM
-> ORDERS o, CUSTOMERS c
-> WHERE
-> o.Cnum = c.Cnum
-> AND c.Rating > 100;
```

order_id	cust_id	order_amt	commission_rate	commission_amount
3001	2008	18.69	0.15	2.80
3005	2003	5160.45	0.13	670.86
3006	2008	1098.16	0.15	164.72
3009	2002	1713.23	0.10	171.32
3007	2004	75.75	0.13	9.85
3010	2004	1309.95	0.13	170.29

6 rows in set (0.01 sec)

