

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.

```
W3_93236_Neha>select ORDERS.Onum,CUSTOMERS.Cname
-> from ORDERS
-> join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum;
```

Onum	Cname
3001	Cesneros
3003	Hoffman
3002	Pereira
3005	Liu
3006	Cesneros
3009	Giovanni
1007	Grass
3010	Grass
3011	Clemens

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

```
W3_93236_Neha>select Onum,SALESPEOPLE.Sname,CUSTOMERS.Cname from ORDERS
-> join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum
-> join SALESPEOPLE on ORDERS.Snum=SALESPEOPLE.Snum;
```

Onum	Sname	Cname
3003	Peel	Hoffman
3009	Axelrod	Giovanni
3005	Serres	Liu
3010	Serres	Grass
1007	Serres	Grass
3011	Peel	Clemens
3006	Riftin	Cesneros
3001	Riftin	Cesneros
3002	Motika	Pereira

- 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.

```
W3_93236_Neha>select CUSTOMERS.Cname,SALESPEOPLE.Sname,SALESPEOPLE.Comm
-> from CUSTOMERS
-> join SALESPEOPLE on CUSTOMERS.Snum=SALESPEOPLE.Snum
-> where SALESPEOPLE.Comm>0.12;
```

Cname	Sname	Comm
Liu	Serres	0.13
Grass	Serres	0.13
Cesneros	Riftin	0.15

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

```
W3_93236_Neha>Select ORDERS.Onum, ORDERS.Amt,  
-> SALESPEOPLE.Snum,  
-> SALESPEOPLE.Comm,  
-> (ORDERS.Amt * SALESPEOPLE.Comm) as CommissionAmount  
-> from ORDERS  
-> join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum  
-> join SALESPEOPLE on ORDERS.Snum=SALESPEOPLE.Snum  
-> where CUSTOMERS.Rating>100;
```

Onum	Amt	Snum	Comm	CommissionAmount
3010	1309.95	1002	0.13	170.29
1007	75.75	1002	0.13	9.85
3005	5160.45	1002	0.13	670.86
3006	1098.16	1007	0.15	164.72
3001	18.69	1007	0.15	2.80
3009	1713.13	1003	0.10	171.31