

## 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.

Query : select c.cname 'Customer name' , o.onum 'Order number' from orders o ,customers c  
-> where o.cnum = c.cnum order by c.cname ;

```
D3_92969_Dhananjay>select c.cname 'Customer name' , o.onum 'Order number' from orders o ,customers c
-> where o.cnum = c.cnum order by c.cname ;
```

Customer name	Order number
Cisneros	3001
Cisneros	3006
Clemens	3008
Clemens	3011
Giovanni	3009
Grass	3007
Grass	3010
Hoffman	3003
Liu	3005
Pereira	3002

```
10 rows in set (0.01 sec)
```

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

Query : select o.onum 'order number' , c.cname 'customer', s.sname 'salesperson' from orders o, salespeople s, customers c  
where o.cnum = c.cnum and o.snum = s.snum;

```
D3_92969_Dhananjay>select o.onum 'order number' , c.cname 'customer', s.sname 'salesperson' from orders o, salespeople s, customers c
-> where o.cnum = c.cnum and o.snum = s.snum;
```

order number	customer	salesperson
3003	Hoffman	Peel
3009	Giovanni	Axelrod
3011	Clemens	Peel
3008	Clemens	Peel
3006	Cisneros	Rifkin
3001	Cisneros	Rifkin
3002	Pereira	Motika

```
7 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.

Query : select distinct c.cname, s.sname, s.comm from orders o, salespeople s, customers c where o.cnum = c.cnum and o.snum = s.snum and s.comm > 0.12;

```
D3_92969_Dhananjay>select distinct c.cname, s.sname, s.comm from orders o, salespeople s, customers c where o.cnum = c.cnum and o.snum = s.snum and s.comm > 0.12;
+-----+-----+-----+
| cname | sname | comm |
+-----+-----+-----+
| Liu   | Serres | 0.13 |
| Grass | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
+-----+-----+-----+
3 rows in set (0.01 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.

Query : select o.onum, s.sname, s.comm\*o.amt 'Commission' from orders o, customers c, salespeople s where o.cnum = c.cnum and o.snum = s.snum and c.rating > 100 ;

```
D3_92969_Dhananjay>select o.onum, s.sname, s.comm*o.amt 'Commission' from orders o, customers c, salespeople s where o.cnum = c.cnum and o.snum = s.snum and c.rating > 100 ;
+-----+-----+-----+
| onum | sname | Commission |
+-----+-----+-----+
| 3006 | Rifkin | 164.72 |
| 3001 | Rifkin | 2.80 |
| 3009 | Axelrod | 171.32 |
| 3010 | Serres | 170.29 |
| 3007 | Serres | 9.85 |
| 3005 | Serres | 670.86 |
+-----+-----+-----+
6 rows in set (0.00 sec)
```