

### 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.

Ans:

```
KD3_86676_Deependra@>select Onum , Cname from orders,customers where orders.
cnum = customers.cnum;
+-----+-----+
| Onum | Cname |
+-----+-----+
| 3001 | Cisneros |
| 3003 | Hoffman |
| 3002 | pereira |
| 3005 | Liu |
| 3006 | Cisneros |
| 3009 | Giovanni |
| 3007 | Grass |
| 3008 | Clemens |
| 3010 | Grass |
| 3011 | Clemens |
+-----+-----+
10 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.

Ans:

```
KD3_86676_Deependra@>select Sname,Cname,onum from orders,customers,salespeop
le where salespeople.snum = customers.snum and customers.Cnum=orders.Cnum;
+-----+-----+-----+
| Sname | Cname | onum |
+-----+-----+-----+
| Rifkin | Cisneros | 3001 |
| peel | Hoffman | 3003 |
| Motika | pereira | 3002 |
| Serres | Liu | 3005 |
| Rifkin | Cisneros | 3006 |
| Axelrod | Giovanni | 3009 |
| Serres | Grass | 3007 |
| peel | Clemens | 3008 |
| Serres | Grass | 3010 |
| peel | Clemens | 3011 |
+-----+-----+-----+
10 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.

Ans:

```
KD3_86676_Deependra@>select Cname "customer's Name", Sname "Salesperson'sname",Comm "Salesperson Rate of Commission" from customers,salespeople where salespeople.Snum = customers.Snum and comm>.12;
```

customer's Name	Salesperson'sname	Salesperson Rate of Commission
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

```
KD3_86676_Deependra@>select onum,Amt*Comm "salesperson commission" from orders,customers,salespeople where salespeople.Snum = orders.snum and orders.cnum=customers.cnum and rating>100;
```

onum	salesperson commission
3010	170.29
3007	9.85
3005	670.86
3006	164.72
3001	2.80
3009	171.32

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