

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_86718_yagywalky@>select orders.onum, customers.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_86718_yagywalky@>select sname, cname, onum from salespeople, customers, orders  
-> where customers.snum=salespeople.snum AND orders.cnum=customers.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_86718_yagywalky@>select cname, sname, comm from customers, salespeople
-> where customers.snum = salespeople.snum AND comm > 0.12;
+-----+-----+-----+
|  cname  |  sname  |  comm  |
+-----+-----+-----+
|  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.

Ans:-

```
KD3_86718_yagywalky@>select onum, customers.cnum, sname, salespeople.snum, amt*comm
from orders, salespeople, customers
-> where orders.cnum=customers.cnum AND orders.snum = salespeople.snum AND rating > 100;
+-----+-----+-----+-----+-----+
|  onum  |  cnum  |  sname  |  snum  |  amt*comm  |
+-----+-----+-----+-----+-----+
|  3010  |  2004  |  Serres  |  1002  |  170.29  |
|  3007  |  2004  |  Serres  |  1002  |  9.85  |
|  3005  |  2003  |  Serres  |  1002  |  670.86  |
|  3006  |  2008  |  Rifkin  |  1007  |  164.72  |
|  3001  |  2008  |  Rifkin  |  1007  |  2.80  |
|  3009  |  2002  |  Axelrod  |  1003  |  171.32  |
+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```