

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.

```
kd2-sandip-87224@>select onum,cname from orders,customers  
-> where customers.cnum=orders.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.

```
kd2-sandip-87224@> select sname,cname,onum from salespeople,orders,customers
-> where orders.snum=salespeople.snum
-> and customers.cnum=orders.cnum;
```

sname	cname	onum
Peel	Hoffman	3003
Axelrod	Giovanni	3009
Serres	Liu	3005
Serres	Grass	3010
Serres	Grass	3007
Peel	Clemens	3011
Peel	Clemens	3008
Rifkin	Cisneros	3006
Rifkin	Cisneros	3001
Motika	Pereira	3002

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.

```
kd2-sandip-87224@>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

```
kd2-sandip-87224@>select sname,comm*amt,rating,cname from orders,customers,salespeople
-> where salespeople.snum=orders.snum
-> and orders.cnum=customers.cnum and rating >100;
```

sname	comm*amt	rating	cname
Serres	40.2935	300	Grass
Serres	9.8475	300	Grass
Serres	670.8585	200	Liu
Rifkin	164.7240	300	Cisneros
Rifkin	2.8035	300	Cisneros
Axelrod	171.3230	200	Giovanni

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