

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.

```
KD2-87199-PRATHAMESH@>select customers.cname, orders.onum from customers, orders where customers.cnum=orders.cnum;
```

cname	onum
Cisneros	3001
Hoffman	3003
Pereira	3002
Liu	3005
Cisneros	3006
Giovanni	3009
Grass	3007
Clemons	3008
Grass	3010
Clemons	3011

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.

```
KD2-87199-PRATHAMESH@>select salespeople.sname, customers.cname, orders.onum from orders, customers, salespeople where customers.cnum=orders.cnum and salespeople.snum=customers.snum;
```

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	Clemons	3008
Serres	Grass	3010
Peel	Clemons	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.

```
KD2-87199-PRATHAMESH@>select customers.cname, salespeople.sname, salespeople.comm from customers, salespeople where salespeople.snum=customers.snum and salespeople.comm>.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.

```
KD2-87199-PRATHAMESH@>select orders.onum, salespeople.sname, customers.rating, salespeople.comm*orders.amt CommOnEachOrder from orders, customers, salespeople where salespeople.snum=customers.snum and customers.cnum=orders.cnum and customers.rating>100;
```

onum	sname	rating	CommOnEachOrder
3001	Rifkin	300	2.80
3005	Serres	200	670.86
3006	Rifkin	300	164.72
3009	Axelrod	200	171.32
3007	Serres	300	9.85
3010	Serres	300	170.29

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