

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.

=>

```
mysql> select onum,cname from orders,customers where orders.cnum=customers.cnum
order by onum;
```

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

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

=>

```
mysql> select sname,cname,onum from orders,customers,salespeople where
orders.snum=customers.snum and
customers.snum=salespeople.snum;
```

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

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.

=>

```
mysql> select cname,sname,comm*100 from customers,salespeople where
customers.snum=salespeople.snum and comm>.12;
```

cname	sname	comm*100
Liu	Serres	13.00
Grass	Serres	13.00
Cisneros	Refkit	15.00

4) Write a query that calculates the amount of the salesperson's commission on

each order by a customer with a rating above 100.

=>

```
mysql> select distinct onum,amt,comm*amt as new_comm,amt from orders,customer  
s,salespeople where orders.snum=customers.snum and salespeople.snum=customer  
s.snum and rating>100;
```

onum	amt	new_comm	amt
3001	18.69	2.80	18.69
3002	5160.45	670.86	5160.45
3006	1098.16	164.72	1098.16
3009	1713.23	171.32	1713.23
3007	75.75	9.85	75.75
3010	1309.95	170.29	1309.95