

Assignment 9

MySQL

Database technologies

1) Write a query that lists each order number followed by the name of the customer who made the order.

```
W1_86802_Aman>select onum,cname from orders,customers where customers.cnum=orders.cnum;
```

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

9 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.

```
W1_86802_Aman>select cname,sname,onum from orders,customers,salespeople where customers.snum=salespeople.snum and salespeople.snum=orders.snum;
```

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

16 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.

```
W1_86802_Aman>select cname,sname,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.

```
W1_86802_Aman>select onum,rating,amt*comm from orders,customers,salespeople where salespeople.snum=orders.snum and orders.snum=customers.snum and customers.rating>100;
```

onum	rating	amt*comm
3001	300	2.80
3005	200	670.86
3005	300	670.86
3006	300	164.72
3009	200	171.32
3007	200	9.85
3007	300	9.85
3010	200	170.29
3010	300	170.29

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