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 DISTINCT Onum,Cname FROM CUSTOMERS,ORDERS WHERE ORDERS.Snum = CUSTOMERS.Snum;
+------+----------+
| Onum | Cname    |
+------+----------+
| 3001 | Cisneros |
| 3003 | Clemens  |
| 3003 | Hoffman  |
| 3002 | Pereira  |
| 3005 | Grass    |
| 3005 | Liu      |
| 3006 | Cisneros |
| 3009 | Giovanni |
| 3007 | Grass    |
| 3007 | Liu      |
| 3008 | Clemens  |
| 3008 | Hoffman  |
| 3010 | Grass    |
| 3010 | Liu      |
| 3011 | Clemens  |
| 3011 | Hoffman  |
+------+----------+
16 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.

```
[mysql> select distinct Onum,Sname,Cname
[    -> from ORDERS,CUSTOMERS,SALESPEOPLE
[    -> where SALESPEOPLE.Snum=ORDERS.Snum;
+------+---------+----------+
| Onum | Sname   | Cname    |
+------+---------+----------+
| 3011 | Peel    | Hoffman  |
| 3010 | Serres  | Hoffman  |
| 3008 | Peel    | Hoffman  |
| 3007 | Serres  | Hoffman  |
| 3009 | Axelrod | Hoffman  |
| 3006 | Rifkin  | Hoffman  |
| 3005 | Serres  | Hoffman  |
| 3002 | Motika  | Hoffman  |
| 3003 | Peel    | Hoffman  |
| 3001 | Rifkin  | Hoffman  |
| 3011 | Peel    | Giovanni |
| 3010 | Serres  | Giovanni |
| 3008 | Peel    | Giovanni |
| 3007 | Serres  | Giovanni |
| 3009 | Axelrod | Giovanni |
| 3006 | Rifkin  | Giovanni |
| 3005 | Serres  | Giovanni |
| 3002 | Motika  | Giovanni |
| 3003 | Peel    | Giovanni |
| 3001 | Rifkin  | Giovanni |


| 3001 | Rifkin  | Grass    |
| 3011 | Peel    | Clemens  |
| 3010 | Serres  | Clemens  |
| 3008 | Peel    | Clemens  |
| 3007 | Serres  | Clemens  |
| 3009 | Axelrod | Clemens  |
| 3006 | Rifkin  | Clemens  |
| 3005 | Serres  | Clemens  |
| 3002 | Motika  | Clemens  |
| 3003 | Peel    | Clemens  |
| 3001 | Rifkin  | Clemens  |
| 3011 | Peel    | Cisneros |
| 3010 | Serres  | Cisneros |
| 3008 | Peel    | Cisneros |
| 3007 | Serres  | Cisneros |
| 3009 | Axelrod | Cisneros |
| 3006 | Rifkin  | Cisneros |
| 3005 | Serres  | Cisneros |
| 3002 | Motika  | Cisneros |
| 3003 | Peel    | Cisneros |
| 3001 | Rifkin  | Cisneros |
| 3011 | Peel    | Pereira  |
| 3010 | Serres  | Pereira  |
| 3008 | Peel    | Pereira  |
| 3007 | Serres  | Pereira  |
| 3009 | Axelrod | Pereira  |
| 3006 | Rifkin  | Pereira  |
| 3005 | Serres  | Pereira  |
| 3002 | Motika  | Pereira  |
| 3003 | Peel    | Pereira  |
| 3001 | Rifkin  | Pereira  |
+------+---------+----------+
70 rows in set (0.01 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.

```
[mysql> select distinct Cname,Sname,Comm from ORDERS,CUSTOMERS,SALESPEOPLE
[    -> where SALESPEOPLE.Snum and Comm >0.12;
+----------+--------+------+
| Cname    | Sname  | Comm |
+----------+--------+------+
| Pereira  | Serres | 0.13 |
| Pereira  | Rifkin | 0.15 |
| Cisneros | Serres | 0.13 |
| Cisneros | Rifkin | 0.15 |
| Clemens  | Serres | 0.13 |
| Clemens  | Rifkin | 0.15 |
| Grass    | Serres | 0.13 |
| Grass    | Rifkin | 0.15 |
| Liu      | Serres | 0.13 |
| Liu      | Rifkin | 0.15 |
| Giovanni | Serres | 0.13 |
| Giovanni | Rifkin | 0.15 |
| Hoffman  | Serres | 0.13 |
| Hoffman  | Rifkin | 0.15 |
+----------+--------+------+
14 rows in set (0.01 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.

```
[mysql> select distinct Sname,Comm from SALESPEOPLE,CUSTOMERS
[    -> where SALESPEOPLE.Snum=CUSTOMERS.Snum and rating>100;
+---------+------+
| Sname   | Comm |
+---------+------+
| Serres  | 0.13 |
| Rifkin  | 0.15 |
| Axelrod | 0.10 |
+---------+------+
3 rows in set (0.00 sec)
```