DBT 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 O.Onum, C.Cname
    -> FROM Orders O
    -> JOIN Customers C ON O.Cnum = C.Cnum;
+-------+----------+
| Onum  | Cname    |
+-------+----------+
|  3003 | Hoffman  |
|  3009 | Giovanni |
|  3005 | Liu      |
|  3007 | Grass    |
|  3010 | Grass    |
|  3008 | Clemens  |
|  3011 | Clemens  |
|  3002 | Pereira  |
|  3001 | Cisneros |
|  3006 | Cisneros |
+-------+----------+
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.

```
mysql> SELECT O.Onum, C.Cname AS Customer_Name, S.Sname AS Salesperson_Name
    -> FROM Orders O
    -> JOIN Customers C ON O.Cnum = C.Cnum
    -> JOIN Salespeople S ON O.Snum = S.Snum;
+------+---------------+------------------+
| Onum | Customer_Name | Salesperson_Name |
+------+---------------+------------------+
| 3003 | Hoffman       | Peel             |
| 3008 | Clemens       | Peel             |
| 3011 | Clemens       | Peel             |
| 3005 | Liu           | Serres           |
| 3007 | Grass         | Serres           |
| 3010 | Grass         | Serres           |
| 3009 | Giovanni      | Axelrod          |
| 3002 | Pereira       | Motika           |
| 3001 | Cisneros      | Rifkin           |
| 3006 | Cisneros      | Rifkin           |
+------+---------------+------------------+
10 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 C.Cname AS Customer_Name, S.Sname AS Salesperson_Name, S.Comm AS Commission_Rate
    -> FROM Customers C
    -> JOIN Salespeople S ON C.Snum = S.Snum
    -> WHERE S.Comm > 0.12;
+---------------+------------------+-----------------+
| Customer_Name | Salesperson_Name | Commission_Rate |
+---------------+------------------+-----------------+
| Liu           | Serres           |            0.13 |
| Grass         | Serres           |            0.13 |
| Cisneros      | Rifkin           |            0.15 |
+---------------+------------------+-----------------+
3 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 O.Onum, C.Cname, S.Sname,
    ->            O.Amt * S.Comm AS Commission_Amount
    -> FROM Orders O
    -> JOIN Customers C ON O.Cnum = C.Cnum
    -> JOIN Salespeople S ON O.Snum = S.Snum
    -> WHERE C.Rating > 100;
+-------+----------+---------+-------------------+
| Onum  | Cname    | Sname   | Commission_Amount |
+-------+----------+---------+-------------------+
|  3009 | Giovanni | Axelrod |            171.32 |
|  3005 | Liu      | Serres  |            670.86 |
|  3007 | Grass    | Serres  |              9.85 |
|  3010 | Grass    | Serres  |            170.29 |
|  3001 | Cisneros | Rifkin  |              2.80 |
|  3006 | Cisneros | Rifkin  |            164.72 |
+-------+----------+---------+-------------------+
6 rows in set (0.00 sec)
```