Assignment –8

Formatting Query output.

1) Assume each salesperson has a 12% commission. Write a query on the orders table that will produce the order number, the salesperson number, and the amount of the salesperson's commission for that order.

```
mysql> SELECT
    ->      Onum AS 'Order Number',
    ->      Snum AS 'Salesperson Number',
    ->      Amt * 0.12 AS 'Commission (12%)'
    -> FROM orders;
+--------------+--------------------+------------------+
| Order Number | Salesperson Number | Commission (12%) |
+--------------+--------------------+------------------+
|         3001 |               1007 |             2.24 |
|         3002 |               1004 |           228.01 |
|         3003 |               1001 |            92.06 |
|         3005 |               1002 |           619.25 |
|         3006 |               1007 |           131.78 |
|         3007 |               1002 |             9.09 |
|         3008 |               1001 |           566.76 |
|         3009 |               1003 |           205.59 |
|         3010 |               1002 |           157.19 |
|         3011 |               1001 |          1187.03 |
+--------------+--------------------+------------------+
10 rows in set (0.00 sec)
```

2) **Write a query on the Customers table that will find the highest rating in each city. Put the output in this form: For the city (city), the highest rating is : (rating).**

```
mysql> SELECT
    -> CONCAT('For the city ', City, ', the highest rating is: ', MAX(Rating)) AS 'Formatted Result'
    -> FROM customers
    -> GROUP BY City;
+------------------------------------------------------+
| Formatted Result                                     |
+------------------------------------------------------+
| For the city London, the highest rating is: 100      |
| For the city Rome, the highest rating is: 200        |
| For the city San Jose, the highest rating is: 300    |
| For the city Berlin, the highest rating is: 300      |
+------------------------------------------------------+
4 rows in set (0.00 sec)
```

3) **Write a query that lists customers in descending order of rating. Output the rating field first, followed by the customer's name and number.**

```
mysql> SELECT
    ->      Rating,
    ->      Cname AS 'Customer Name',
    ->      Cnum AS 'Customer Number'
    -> FROM customers
    -> ORDER BY Rating DESC;
+--------+---------------+-----------------+
| Rating | Customer Name | Customer Number |
+--------+---------------+-----------------+
|    300 | Grass         |            2004 |
|    300 | Cisneros      |            2008 |
|    200 | Giovanni      |            2002 |
|    200 | Liu           |            2003 |
|    100 | Hoffman       |            2001 |
|    100 | Clemens       |            2006 |
|    100 | Pereira       |            2007 |
+--------+---------------+-----------------+
7 rows in set (0.00 sec)
```

4) Write a query that totals the orders for each day and places the results in descending order.

```
mysql> SELECT
    ->      Odate AS 'Order Date',
    ->      SUM(Amt) AS 'Total Amount'
    -> FROM orders
    -> GROUP BY Odate
    -> ORDER BY SUM(Amt) DESC;
+------------+--------------+
| Order Date | Total Amount |
+------------+--------------+
| 1990-10-06 |     11201.83 |
| 1990-10-03 |      8944.59 |
| 1990-10-05 |      4723.00 |
| 1990-10-04 |      1788.98 |
+------------+--------------+
4 rows in set (0.00 sec)
```