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, Snum, Amt*0.12 Commision_On_Each_Order
    -> FROM orders;
+------+------+-------------------------+
| Onum | Snum | Commision_On_Each_Order |
+------+------+-------------------------+
| 3001 | 1007 |                    2.24 |
| 3003 | 1001 |                   92.06 |
| 3002 | 1004 |                  228.01 |
| 3005 | 1002 |                  619.25 |
| 3006 | 1007 |                  131.78 |
| 3009 | 1003 |                  205.59 |
| 3007 | 1002 |                    9.09 |
| 3008 | 1001 |                  566.76 |
| 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(CONCAT(CONCAT(CONCAT('For the city ',City),' '),'The highest rating is:'),
MAX(Rating)) Max_Rating_Of_Each_City
    -> FROM customers
    -> GROUP BY city;
+-----------------------------------------------+
| Max_Rating_Of_Each_City                       |
+-----------------------------------------------+
| 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, cnum
    -> FROM customers
    -> ORDER BY rating;
+--------+----------+------+
| rating | cname    | cnum |
+--------+----------+------+
|    100 | Hoffman  | 2001 |
|    100 | Clemens  | 2006 |
|    100 | Pereira  | 2007 |
|    200 | Giovanni | 2002 |
|    200 | Liu      | 2003 |
|    300 | Grass    | 2004 |
|    300 | Cisneros | 2008 |
+--------+----------+------+
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, COUNT(onum) Total_Orders_Per_Day
    -> FROM orders
    -> GROUP BY odate
    -> ORDER BY COUNT(onum) DESC;
+------------+----------------------+
| odate      | Total_Orders_Per_Day |
+------------+----------------------+
| 1990-10-03 |                    5 |
| 1990-10-04 |                    2 |
| 1990-10-06 |                    2 |
| 1990-10-05 |                    1 |
+------------+----------------------+
4 rows in set (0.00 sec)
```