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,
    ->        Amt * 0.12 AS Commission
    -> FROM Orders;
+------+------+---------+------------+
| Onum | Snum | Amt     | Commission |
+------+------+---------+------------+
| 3001 | 1007 |   18.69 |       2.24 |
| 3002 | 1004 | 1900.10 |     228.01 |
| 3003 | 1001 |  767.19 |      92.06 |
| 3005 | 1002 | 5160.45 |     619.25 |
| 3006 | 1007 | 1098.16 |     131.78 |
| 3007 | 1002 |   75.75 |       9.09 |
| 3008 | 1001 | 4723.00 |     566.76 |
| 3009 | 1003 | 1713.23 |     205.59 |
| 3010 | 1002 | 1309.95 |     157.19 |
| 3011 | 1001 | 9891.88 |    1187.03 |
+------+------+---------+------------+
10 rows in set (0.01 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 output
    -> FROM Customers
    -> GROUP BY City;
+-------------------------------------------------+
| output                                          |
+-------------------------------------------------+
| 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 (0.01 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 DESC;
+--------+----------+------+
| Rating | Cname    | Cnum |
+--------+----------+------+
|    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, SUM(Amt) AS Total_Orders
    -> FROM Orders
    -> GROUP BY Odate
    -> ORDER BY Total_Orders DESC;
+------------+--------------+
| Odate      | Total_Orders |
+------------+--------------+
| 1990-10-06 |     11201.83 |
| 1990-10-03 |      8944.59 |
| 1990-10-05 |      4723.00 |
| 1990-10-04 |      1788.98 |
+------------+--------------+
4 rows in set (0.01 sec)
```