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 amt from orders;

```
mysql> select onum,snum, (amt+amt*0.12) as amt from orders;
+------+------+----------+
| onum | snum | amt      |
+------+------+----------+
| 3001 | 1007 |    20.93 |
| 3003 | 1001 |   859.25 |
| 3002 | 1004 |  2128.11 |
| 3005 | 1002 |  5779.70 |
| 3006 | 1007 |  1229.94 |
| 3009 | 1003 |  1918.82 |
| 3007 | 1002 |    84.84 |
| 3008 | 1001 |  5289.76 |
| 3010 | 1002 |  1467.14 |
| 3011 | 1001 | 11078.91 |
+------+------+----------+
10 rows in set (0.00 sec)

mysql>
```

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 city, max(rating) as rating from customers group by city;

```
mysql> select city, max(rating) as rating from customers group by city;
+----------+--------+
| city     | rating |
+----------+--------+
| London   |    100 |
| Rome     |    200 |
| San Jose |    300 |
| Berlin   |    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;

```
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 count(onum) as total_orders,odate from orders group by oda te order by total_orders;

```
mysql> select count(onum) as total_orders,odate from orders group by oda
te order by total_orders;
+--------------+------------+
| total_orders | odate      |
+--------------+------------+
|            1 | 1990-10-05 |
|            2 | 1990-10-04 |
|            2 | 1990-10-06 |
|            5 | 1990-10-03 |
+--------------+------------+
4 rows in set (0.00 sec)
```