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.

Ans-select Onum , Snum, (Amt*0.12) as 'Salesperson's Commission' from orders;

```
mysql> select Onum , Snum, (Amt*0.12) as 'Salesperson's Commission' from orders;
+------+------+--------------------------+
| Onum | Snum | Salesperson?s Commission |
+------+------+--------------------------+
| 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 (0.01 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).

Ans-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 (0.00 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.

Ans-select rating,cnum,cname from customers order by 1 desc;

```
mysql> select rating,cnum,cname from customers order by 1 desc;
+--------+------+----------+
| rating | cnum | cname    |
+--------+------+----------+
|    300 | 2004 | Grass    |
|    300 | 2008 | Cisneros |
|    200 | 2002 | Giovanni |
|    200 | 2003 | Liu      |
|    100 | 2001 | Hoffman  |
|    100 | 2006 | Clemens  |
|    100 | 2007 | Pereira  |
+--------+------+----------+
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.

Ans-select odate,count(onum) from orders group by odate order by count(odate) desc;

```
mysql> select odate,count(onum) from orders group by odate order by count(odate) desc;
+------------+-------------+
| odate      | count(onum) |
+------------+-------------+
| 1990-10-03 |           5 |
| 1990-10-04 |           2 |
| 1990-10-06 |           2 |
| 1990-10-05 |           1 |
+------------+-------------+
4 rows in set (0.01 sec)
```