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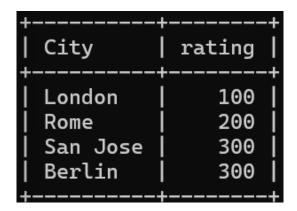
Ans: select Onum , Snum, (Amt*0.12) as 'Salesperson's Commission' from orders;

```
+------+------+--------------------------+
| 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 |
+------+------+--------------------------+
```

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;

```
+-----------+---------+
| City      | rating  |
+-----------+---------+
| London    |    100  |
| Rome      |    200  |
| San Jose  |    300  |
| Berlin    |    300  |
+-----------+---------+
```

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,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  |
+--------+----------+-------+
```

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

Ans: select Odate,count(Odate) as 'total orders' from orders group by Odate order by count(Odate) desc;

```
+------------+--------------+
| Odate      | total orders |
+------------+--------------+
| 03-10-1990 |            5 |
| 04-10-1990 |            2 |
| 06-10-1990 |            2 |
| 05-10-1990 |            1 |
+------------+--------------+
```