Assignment –8

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.

```
kd2-sandip-87224@>select onum,snum,amt*.12 as commission from orders;
+------+------+------------+
| onum | snum | commission |
+------+------+------------+
| 3001 | 1007 |     2.2428 |
| 3003 | 1001 |    92.0628 |
| 3002 | 1004 |   228.0120 |
| 3005 | 1002 |   619.2540 |
| 3006 | 1007 |   131.7792 |
| 3009 | 1003 |   205.5876 |
| 3007 | 1002 |     9.0900 |
| 3008 | 1001 |   566.7600 |
| 3010 | 1002 |    37.1940 |
| 3011 | 1001 |  1187.0256 |
+------+------+------------+
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:

```
kd2-sandip-87224@>select city, max(rating) from customers
    -> group by city;
+----------+-------------+
| city     | max(rating) |
+----------+-------------+
| London   |         100 |
| Rome     |         200 |
| San Jose |         300 |
| Berlin   |         300 |
+----------+-------------+
 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.

```
kd2-sandip-87224@>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

```
kd2-sandip-87224@>select odate,count(distinct snum) as total from orders group by odate
    -> order by total desc;
+------------+-------+
| odate      | total |
+------------+-------+
| 1990-10-03 |     4 |
| 1990-10-04 |     3 |
+------------+-------+
2 rows in set (0.00 sec)
```