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.

```
W2_92894_Ekta>SELECT onum,
    ->        snum,
    ->        amt,
    ->        (amt*12)/100 commision
    -> FROM orders;
+------+------+---------+-------------+
| onum | snum | amt     | commision   |
+------+------+---------+-------------+
| 3001 | 1007 |   18.69 |    2.242800 |
| 3003 | 1001 |  767.19 |   92.062800 |
| 3002 | 1004 | 1900.10 |  228.011997 |
| 3005 | 1002 | 5160.45 |  619.254023 |
| 3006 | 1007 | 1098.16 |  131.779204 |
| 3009 | 1003 | 1713.23 |  205.587598 |
| 3007 | 1002 |   75.75 |    9.090000 |
| 3008 | 1001 | 4723.00 |  566.760000 |
| 3010 | 1002 | 1309.95 |  157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+------+------+---------+-------------+
10 rows in set (0.02 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).

```
W2_92894_Ekta>SELECT
    ->     CONCAT('For the city ', City, ', the highest rating is : ', MAX(Rating)) AS Result
    -> FROM
    ->     Customers
    -> GROUP BY
    ->     City;
+-------------------------------------------------+
| Result                                          |
+-------------------------------------------------+
| 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 (0.02 sec)

W2_92894_Ekta>
```

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

```
W2_92894_Ekta>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.

```
W2_92894_Ekta>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 (0.00 sec)
```