# SQL 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.

```
D6_87105_Pawan@>select Onum, Snum, Amt, Amt*0.12 "Comm" from Orders;
+------+------+---------+---------+
| Onum | Snum | Amt     | Comm    |
+------+------+---------+---------+
| 3001 | 1007 |   18.69 |    2.24 |
| 3003 | 1001 |  767.19 |   92.06 |
| 3002 | 1004 | 1900.10 |  228.01 |
| 3005 | 1002 |  516.45 |   61.97 |
| 3006 | 1007 | 1098.16 |  131.78 |
| 3009 | 1003 | 1713.23 |  205.59 |
| 3007 | 1002 |   75.75 |    9.09 |
| 3008 | 1001 | 4723.00 |  566.76 |
| 3010 | 1002 | 1309.95 |  157.19 |
| 3011 | 1001 | 9891.88 | 1187.03 |
+------+------+---------+---------+
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:

For the city (city), the highest rating is : (rating).

```
D6_87105_Pawan@>select concat("For the ", city, "the highest rating is
max(rating)) "Highest Rating of each city is" from Customers
    -> group by city;
+-----------------------------------------+
| Highest Rating of each city is          |
+-----------------------------------------+
| For the Londonthe highest rating is : 100   |
| For the Romethe highest rating is : 200     |
| For the San Josethe highest rating is : 300 |
| For the Berlinthe highest rating is : 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.

```
D6_87105_Pawan@>select rating "Rating",
    -> Cname "Customer Name",
    -> Cnum "Customer Number"
    ->  from customers
    -> order by 1 desc;
+--------+---------------+-----------------+
| Rating | Customer Name | Customer Number |
+--------+---------------+-----------------+
|    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.

```
D6_87105_Pawan@>select odate, sum(amt) from orders
    -> group by odate
    -> order by 2 desc;
+------------+----------+
| odate      | sum(amt) |
+------------+----------+
| 1990-10-06 | 11201.83 |
| 1990-10-05 |  4723.00 |
| 1990-10-03 |  4300.59 |
| 1990-10-04 |  1788.98 |
+------------+----------+
4 rows in set (0.00 sec)
```