SQL ASSIGNMENT 8

Q1) 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_80143_madhurgupta>select Onum, Snum, Amt*0.12 from orders order by 1;
+------+------+----------+
| Onum | Snum | Amt*0.12 |
+------+------+----------+
| 3001 | 1007 |     2.24 |
| 3002 | 1004 |   228.01 |
| 3003 | 1001 |    92.06 |
| 3005 | 1002 |   619.25 |
| 3006 | 1007 |   131.78 |
| 3007 | 1002 |     9.09 |
| 3008 | 1001 |   566.76 |
| 3009 | 1003 |   205.59 |
| 3010 | 1002 |   157.19 |
| 3011 | 1001 |  1187.03 |
+------+------+----------+
10 rows in set (0.00 sec)
```

Q2) 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)

```
kd2_80143_madhurgupta>select concat(concat(concat(concat(concat('For the city',' '),city),','),' the highest rating is :'),max(rating)) "Output
" from customers group by city;
+--------------------------------------------------+
| Output                                           |
+--------------------------------------------------+
| For the city London, the highest rating is :100  |
| For the city Rome, the highest rating is :300    |
| For the city San Jose, the highest rating is :300 |
| For the city Berlin, the highest rating is :300  |
+--------------------------------------------------+
4 rows in set (0.01 sec)
```

Q3) 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_80143_madhurgupta>select rating,Cname,Cnum from customers order by 1 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)
```

Q4) Write a query that totals the orders for each day and places the results in descending order.

```
[kd2_80143_madhurgupta>select Odate,sum(Amt)
[    -> from orders
[    -> group by Odate
[    -> order by 1 desc;
+------------+----------+
| Odate      | sum(Amt) |
+------------+----------+
| 1990-10-06 | 11201.83 |
| 1990-10-05 |  4723.00 |
| 1990-10-04 |  1788.98 |
| 1990-10-03 |  8944.59 |
+------------+----------+
4 rows in set (0.00 sec)
```