Assignment 08

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.

```
mananshinde — mysql -u W1_92836_Manan -p — 63×18

[W1_92836_Manan>select snum, onum, amt*0.12 from orders;
+-------+-------+-----------+
| snum  | onum  | amt*0.12  |
+-------+-------+-----------+
| 1007  | 3001  |      2.24 |
| 1001  | 3003  |     92.06 |
| 1004  | 3002  |    228.01 |
| 1002  | 3005  |    619.25 |
| 1007  | 3006  |    131.78 |
| 1003  | 3009  |    205.59 |
| 1002  | 3007  |      9.09 |
| 1001  | 3008  |    566.76 |
| 1002  | 3010  |    157.19 |
| 1001  | 3011  |   1187.03 |
+-------+-------+-----------+
10 rows in set (0.000 sec)

W1_92836_Manan>
```

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).

```
mananshinde — mysql -u W1_92836_Manan -p — 86×19

W1_92836_Manan>select concat('For the city ', city, 'the highest rating is:', rating)
from customers;
+-----------------------------------------------------------------------+
| concat('For the city ', city, 'the highest rating is:', rating)       |
+-----------------------------------------------------------------------+
| For the city Londonthe highest rating is:100                          |
| For the city Romethe highest rating is:200                            |
| For the city San Josethe highest rating is:200                        |
| For the city Berlinthe highest rating is:300                          |
| For the city Londonthe highest rating is:100                          |
| For the city San Josethe highest rating is:300                        |
| For the city Romethe highest rating is:100                            |
| For the city nullthe highest rating is:200                            |
| For the city nullthe highest rating is:300                            |
+-----------------------------------------------------------------------+
9 rows in set (0.003 sec)

W1_92836_Manan>
```

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.

```
W1_92836_Manan>select rating, cname, cnum from customers
    -> order by rating desc;
+--------+----------+------+
| rating | cname    | cnum |
+--------+----------+------+
|    300 | Grass    | 2004 |
|    300 | Cisneros | 2008 |
|    300 | John     | 2010 |
|    200 | Giovanni | 2002 |
|    200 | Liu      | 2003 |
|    200 | Thomas   | 2009 |
|    100 | Hoffman  | 2001 |
|    100 | Clemens  | 2006 |
|    100 | Pereira  | 2007 |
+--------+----------+------+
9 rows in set (0.000 sec)

W1_92836_Manan>
```

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

```
W1_92836_Manan>select odate, sum(amt)from orders
    -> group by odate
    -> order by sum(amt) desc;
+------------+----------+
| odate      | sum(amt) |
+------------+----------+
| 1990-10-06 | 11201.83 |
| 1990-10-03 |  8944.59 |
| 1990-10-05 |  4723.00 |
| 1990-10-04 |  1788.98 |
+------------+----------+
4 rows in set (0.001 sec)

W1_92836_Manan>
```