

## 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.

```
mysql> SELECT onum, snum, amt * 0.12 AS commissionon
-> FROM orders;
```

onum	snum	commissionon
3001	1007	2.242800064086914
3003	1001	92.06280029296875
3011	1001	1187.0255859375
3002	1004	228.0119970703125
3005	1002	619.2540234375
3006	1007	131.7792041015625
3009	1003	205.58759765624998
3007	1002	9.09
3008	1001	566.76
3010	1002	157.193994140625

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).

```
mysql> SELECT
->   CONCAT('For the city ', city, ', the highest rating is: ', MAX(rating)) AS output
-> FROM Customers
-> GROUP BY city;
```

output
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 (0.01 sec)

```
mysql> select concat ('for ',city,' highest ratting =',max(rating)) as output
-> from Customers group by city;
+-----+
| output |
+-----+
| for London highest ratting =100 |
| for Rome highest ratting =200 |
| for San Jose highest ratting =300 |
| for Berlin highest ratting =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.

```
mysql> 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.

```
mysql> select Odate, sum(amt) from orders  
-> group by odate  
-> order by sum(amt) desc;
```

Odate	sum(amt)
1990-10-06	11201.829833984375
1990-10-03	8944.590208053589
1990-10-05	4723
1990-10-04	1788.97998046875

```
4 rows in set (0.00 sec)
```