

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,(amt*0.12) as Commision  
-> from orders;
```

onum	snum	amt	Commision
3001	1007	18.69	2.24
3003	1001	767.19	92.06
3002	1004	1900.10	228.01
3005	1002	5160.45	619.25
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	1309.98	157.20
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).



```
mysql> select concat('For the city ', city , ', the highest rating is :' ,  
-> max(Rating)) as result  
-> FROM CUSTOMER  
-> 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
For the city New york, the highest rating is :150

5 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 CUSTOMER
-> ORDER BY RATING DESC;
+-----+-----+-----+
| RATING | CNAME   | CNUM |
+-----+-----+-----+
| 300    | Grass   | 2004 |
| 300    | Cisneros| 2008 |
| 200    | Giovanni| 2002 |
| 200    | Liu     | 2003 |
| 150    | roya    | 2009 |
| 100    | Hoffman | 2001 |
| 100    | Clemens | 2006 |
| 100    | Pereira | 2007 |
+-----+-----+-----+
8 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) AS TOTAL_ORDER
-> FROM ORDERS
-> GROUP BY ODATE
-> ORDER BY TOTAL_ORDER DESC;
+-----+-----+
| ODATE   | TOTAL_ORDER |
+-----+-----+
| 1990-10-06 | 9891.88 |
| 1990-10-03 | 8944.59 |
| 1990-10-05 | 6032.98 |
| 1990-10-04 | 1788.98 |
+-----+-----+
4 rows in set (0.00 sec)
```

