

Assignment –8

Formatting Query output.

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- 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 'commission'
-> from orders;
+-----+-----+-----+
| onum | snum | commission |
+-----+-----+-----+
| 3001 | 1007 |      2.24 |
| 3003 | 1001 |     92.06 |
| 3002 | 1004 |    228.01 |
| 3005 | 1002 |    619.25 |
| 3006 | 1007 |    131.78 |
| 3009 | 1003 |    205.59 |
| 3007 | 1002 |     9.09 |
| 3008 | 1001 |    566.76 |
| 3010 | 1002 |    157.19 |
| 3011 | 1001 |   1187.03 |
+-----+-----+-----+
10 rows in set (0.09 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 customers
-> 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 |
+-----+
4 rows in set (0.06 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,cname
-> from customers
-> where rating
-> order by rating desc;
+-----+-----+-----+
| rating | cname | cname |
+-----+-----+-----+
| 300    | Grass | Grass |
| 300    | Cisneros | Cisneros |
| 200    | Giovanni | Giovanni |
| 200    | Liu | Liu |
| 100    | Hoffman | Hoffman |
| 100    | clemens | clemens |
| 100    | Pereira | Pereira |
+-----+-----+-----+
7 rows in set (0.07 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 odate 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)

mysql>
```