

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 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 (0.01 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 City, CONCAT ('For the city ', City, ', the highest rating is: ', MAX(Rating)) AS Message
-> FROM CUSTOMERS
-> GROUP BY City;
+-----+-----+
| City | Message |
+-----+-----+
| London | For the city London, the highest rating is: 100 |
| Rome | For the city Rome, the highest rating is: 200 |
| San Jose | For the city San Jose, the highest rating is: 300 |
| Berlin | For the city Berlin, the highest rating is: 300 |
+-----+-----+
4 rows in set (0.01 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 (0.01 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  
-> FROM ORDERS  
-> GROUP BY Odate  
-> ORDER BY Total DESC;
```

Odate	Total
1990-10-06	11201.83
1990-10-03	8944.59
1990-10-05	4723.00
1990-10-04	1788.98

4 rows in set (0.00 sec)