

Assignment no 8 :

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.

```
Administrator: Command Pro x + -
mysql> SELECT Onum, Snum, (Amt * 0.12) AS Commission
-> FROM ORDERS;
+-----+-----+-----+
| Onum | Snum | Commission |
+-----+-----+-----+
| 3001 | 1007 | 2.24 |
| 3002 | 1004 | 228.01 |
| 3003 | 1001 | 92.06 |
| 3005 | 1002 | 619.25 |
| 3006 | 1007 | 131.78 |
| 3007 | 1002 | 9.09 |
| 3008 | 1001 | 566.76 |
| 3009 | 1003 | 205.59 |
| 3010 | 1002 | 157.19 |
| 3011 | 1001 | 1187.03 |
+-----+-----+-----+
10 rows in set (0.00 sec)

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 (0.00 sec)

mysql> SELECT Rating, Cname, Cnum
-> FROM CUSTOMERS
-> ORDER BY Rating DESC;
+-----+-----+-----+
| Rating | Cname | Cnum |
+-----+-----+-----+
| 300 | Grass | 2004 |
| 300 | Cisneros | 2008 |
+-----+-----+-----+
```

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).

```
Administrator: Command Pro x + v
mysql> SELECT Onum, Snum, (Amt * 0.12) AS Commission
-> FROM ORDERS;
+-----+-----+-----+
| Onum | Snum | Commission |
+-----+-----+-----+
| 3001 | 1007 | 2.24 |
| 3002 | 1004 | 228.01 |
| 3003 | 1001 | 92.06 |
| 3005 | 1002 | 619.25 |
| 3006 | 1007 | 131.78 |
| 3007 | 1002 | 9.09 |
| 3008 | 1001 | 566.76 |
| 3009 | 1003 | 205.59 |
| 3010 | 1002 | 157.19 |
| 3011 | 1001 | 1187.03 |
+-----+-----+-----+
10 rows in set (0.00 sec)

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 (0.00 sec)

mysql> SELECT Rating, Cname, Cnum
-> FROM CUSTOMERS
-> ORDER BY Rating DESC;
+-----+-----+-----+
| Rating | Cname | Cnum |
+-----+-----+-----+
| 300 | Grass | 2004 |
| 300 | Cisneros | 2008 |
+-----+-----+-----+
```

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.

```
Administrator: Command Pro x + v
+-----+-----+-----+
| 3005 | 1002 | 619.25 |
| 3006 | 1007 | 131.78 |
| 3007 | 1002 | 9.09 |
| 3008 | 1001 | 566.76 |
| 3009 | 1003 | 205.59 |
| 3010 | 1002 | 157.19 |
| 3011 | 1001 | 1187.03 |
+-----+-----+-----+
10 rows in set (0.00 sec)

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 (0.00 sec)

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)

mysql>
```

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

```
Administrator: Command Pro x + v
+-----+
| 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 (0.00 sec)

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)

mysql> SELECT Odate, SUM(Amt) AS TotalOrders
-> FROM ORDERS
-> GROUP BY Odate
-> ORDER BY TotalOrders DESC;
+-----+
| Odate | TotalOrders |
+-----+
| 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)

mysql> |
```



Search



ENG
IN



08:12 AM
14-10-2024