

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.

ANS:-

```
mysql> SELECT Onum AS order_number,  
->          Snum AS salesperson_number,  
->          Amt * 0.12 AS commission  
-> FROM orders;
```

order_number	salesperson_number	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)

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).

ANS:-

```
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 : 200 |  
| 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 : 100 |  
| For the city Paris, the highest rating is : 300   |  
+-----+
```

6 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.

ANS:-

```
mysql> SELECT Rating AS rating,
```

```
-> Cname AS customer_name,
```

```
-> Cnum AS customer_number
```

```
-> FROM customers
-> ORDER BY Rating DESC;
```

rating	customer_name	customer_number
300	Grass	2004
300	Cisneros	2008
300	Carol	2012
250	Eve	2014
200	Giovanni	2002
200	Liu	2003
200	Bob	2011
150	Dan	2013
100	Hoffman	2001
100	Clemens	2006
100	Pereira	2007
100	Alice	2010

12 rows in set (0.00 sec)

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

ANS:-

```
mysql> SELECT Odate AS order_date,
->          SUM(Amt) AS total_orders
-> FROM orders
-> GROUP BY Odate
```

```
-> ORDER BY total_orders DESC;
```

```
+-----+-----+  
| order_date | total_orders |  
+-----+-----+  
| 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)
```