

SQL Assignment-8

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.

```
kd2_80158_saurabh>Select Onum,Snum,Amt*0.12 "Comm" from orders order by Onum;
+-----+-----+-----+
| Onum | Snum | Comm  |
+-----+-----+-----+
| 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)

```
kd2_80158_saurabh>select concat(concat(concat(concat(concat('For the city',' '),city),','),',' the highest rating is :'),max(rating)) "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 (0.01 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.

```
[kd2_80158_saurabh>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)
```

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

```
[kd2_80158_saurabh>select sum(amt) from orders group by odate order by 1 desc;
+-----+
| sum(amt) |
+-----+
| 8944.59 |
| 1788.98 |
| 1309.95 |
+-----+
3 rows in set (0.00 sec)
```