Assignment 8

KD1_86940_parag

Q1).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,salespeople.snum,amt*(12/100) as comm from orders,salespeople where orders.snum=salespeople.snum;
+------+------+------------+
| onum | snum | comm       |
+------+------+------------+
| 3001 | 1007 |    2.242800 |
| 3003 | 1001 |   92.062800 |
| 3002 | 1004 |  228.012000 |
| 3005 | 1002 |  619.254000 |
| 3006 | 1007 |  131.779200 |
| 3009 | 1003 |  205.587600 |
| 3007 | 1002 |    9.090000 |
| 3008 | 1001 |  566.760000 |
| 3010 | 1002 |   37.194000 |
| 3011 | 1001 | 1187.025600 |
+------+------+------------+
```

Q2).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),concat(', the highest rating is : ',max(rating)) from customers group by city;
+-----------------------------+-----------------------------------------------+
| concat('For the city ',city) | concat(', the highest rating is : ',max(rating)) |
+-----------------------------+-----------------------------------------------+
| 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                 |
+-----------------------------+-----------------------------------------------+
```

Q3).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 1;
+--------+----------+------+
| rating | cname    | cnum |
+--------+----------+------+
|    100 | Hoffman  | 2001 |
|    100 | Clemens  | 2006 |
|    100 | Pereira  | 2007 |
|    200 | Giovanni | 2002 |
|    200 | Liu      | 2003 |
|    300 | Grass    | 2004 |
|    300 | Cisneros | 2008 |
+--------+----------+------+
```

Q4).Write a query that totals the orders for each day and places the results in descending order.

```
mysql> select sum(amt) ,odate from orders group by odate order by 1 desc;
+----------+------------+
| sum(amt) | odate      |
+----------+------------+
| 16713.81 | 1990-10-04 |
|  8944.59 | 1990-10-03 |
+----------+------------+
```