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### Assignment No 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.

```
D5_86982_JUILI@>select onum,snum,amt*0.12 as "12% commission" from orders
-> ;
+-----+-----+-----+
| onum | snum | 12% 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).

```
D5_86982_JUILI@>select concat(concat(concat('For the city ',city),' the highest rating is:',max(rating)),')') as format from customers
-> group by city;
+-----+
| format |
+-----+
| (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)
```

```
D5_86982_JUILI@>select concat(concat(concat('For the city (' ,city),') the highest rating is:',max(rating)),')') as "Highest rating" from customers
-> group by city;
+-----+
| Highest 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) |
+-----+
4 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.

```
D5_86982_JUILLI@>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 order.

```
D5_86982_JUILLI@>select sum(amt) as total,odate from orders
-> group by odate
-> order by total desc;
+-----+-----+
| total   | odate   |
+-----+-----+
| 11201.83 | 1990-10-06 |
| 8944.59  | 1990-10-03 |
| 4723.00  | 1990-10-05 |
| 1788.98  | 1990-10-04 |
+-----+-----+
4 rows in set (0.00 sec)
```