

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-SATYAJEET-86740@>select onum,snum,amt*0.12 as commision from orders;
+-----+-----+-----+
| onum | snum | commision |
+-----+-----+-----+
| 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 (0.00 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-SATYAJEET-86740@>select city, max(rating) as 'The highest rating' from customers group by city;
+-----+-----+
| city | The highest rating |
+-----+-----+
| London |      100 |
| Rome |      200 |
| San Jose |      300 |
| Berlin |      300 |
+-----+-----+
4 rows in set (0.00 sec)

KD2-SATYAJEET-86740@>
```

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-SATYAJEET-86740@>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 (0.03 sec)

KD2-SATYAJEET-86740@>
```

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

```
KD2-SATYAJEET-86740@>select odate, sum(amt) from orders group by odate order by sum(amt) desc;
+-----+-----+
| odate      | sum(amt) |
+-----+-----+
| 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)

KD2-SATYAJEET-86740@>|
```