

## 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.

```
KD3_86659_shriya@>select onum,snum,amt, (amt*12)/100 comm from orders ;
+-----+-----+-----+-----+
| onum | snum | amt   | comm   |
+-----+-----+-----+-----+
| 3001 | 1007 | 18.69 | 2.242800 |
| 3003 | 1001 | 767.19 | 92.062800 |
| 3002 | 1004 | 1900.10 | 228.011997 |
| 3005 | 1002 | 5160.45 | 619.254023 |
| 3006 | 1007 | 1098.16 | 131.779204 |
| 3009 | 1003 | 1713.23 | 205.587598 |
| 3007 | 1002 | 75.75 | 9.090000 |
| 3008 | 1001 | 4723.00 | 566.760000 |
| 3010 | 1002 | 1309.95 | 157.193994 |
| 3011 | 1001 | 9891.88 | 1187.025586 |
+-----+-----+-----+-----+
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).

```
KD3_86659_shriya@>select city , max(rating) as rating from customers
-> group by city ;
+-----+-----+
| city   | rating |
+-----+-----+
| London | 100    |
| Rome   | 200    |
| San jose | 300    |
| Berlin | 300    |
+-----+-----+
4 rows in set (0.00 sec)

KD3_86659_shriya@>
```

- 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.

```

KD3_86659_shriya@>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)

KD3_86659_shriya@>

```

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

```

KD3_86659_shriya@>select count(onum) from orders
-> group by odate
-> order by count(onum) desc ;
+-----+
| count(onum) |
+-----+
| 5            |
| 2            |
| 2            |
| 1            |
+-----+
4 rows in set (0.00 sec)

KD3_86659_shriya@>

```