

## Assignment 8

### Formatting Query output.

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.

Ans:

```
KD3_86676_Deependra@>select Onum,Snum,(Amt*.12) as Commission from orders;
```

| Onum | Snum | 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 (0.00 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).

Ans:

```
KD3_86676_Deependra@>select City,max(rating) "Highest Rating" from customers group by city;
```

| City     | Highest Rating |
|----------|----------------|
| London   | 100            |
| Rome     | 200            |
| San jose | 300            |
| Berlin   | 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.

Ans:

```
KD3_86676_Deependra@>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.

Ans:

```
KD3_86676_Deependra@>select distinct(odate),count(Onum) from orders group by odate order by count(Onum) desc;
```

| odate      | count(Onum) |
|------------|-------------|
| 1990-10-03 | 5           |
| 1990-10-04 | 2           |
| 1990-10-06 | 2           |
| 1990-10-05 | 1           |

```
4 rows in set (0.00 sec)
```