

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.

Query:

```
select onum,snum,amt*0.12 '12% Commision' from orders;
```

Image:

```
D3_93024_Abhishek>select onum,snum,amt*0.12 '12% Commision' from orders;
+-----+-----+-----+
| onum | snum | 12% 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).

Query:

```
select city 'For the City' , max(rating) 'The Highest rating is :' from customers
group by city;
```

```
D3_93024_Abhishek>select city 'For the City' , max(rating) 'The Highest rating is :' from customers group by city;
+-----+-----+
| For the City | The Highest rating is : |
+-----+-----+
| 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.

Query:

```
select rating,cname,cnum from customers  
-> order by rating DESC;
```

Image:

```
D3_93024_Abhishek>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.

Query:

```
select Odate, Sum(amt) 'Sum' from orders  
-> group by odate  
-> order by Sum;
```

```
D3_93024_Abhishek>select Odate, Sum(amt) 'Sum' from orders  
-> group by odate  
-> order by Sum;  
+-----+-----+  
| Odate   | Sum    |  
+-----+-----+  
| 1990-10-04 | 1788.98 |  
| 1990-10-05 | 4723.00 |  
| 1990-10-03 | 8944.59 |  
| 1990-10-06 | 11201.83 |  
+-----+-----+  
4 rows in set (0.00 sec)
```