

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:

```
select onum,snum, (amt*0.12) comm from orders;
```

```
+-----+-----+-----+
| onum | snum | comm  |
+-----+-----+-----+
| 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 |
+-----+-----+-----+
```

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:

```
select 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 |
+-----+
```

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:

```
select rating, cname,cnum from customers order by 1 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

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

Ans:

```
select odate,count(*) total_order from orders group by odate order by 2 desc;
```

odate	total_order
1990-10-03	5
1990-10-04	2
1990-10-06	2
1990-10-05	1

```
select odate, sum(amt) Total_amt from orders group by odate order by 2 desc;
```

odate	Total_amt
1990-10-06	11201.83
1990-10-03	8944.59
1990-10-05	4723.00
1990-10-04	1788.98