

Assignment – 8

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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.

```
KD1-Yashraj-86633@>SELECT onum,snum, amt*0.12 as 'salesperson's commission' FROM orders;
```

onum	snum	salesperson's commission
3001	1007	2.2428
3003	1001	92.0628
3002	1004	228.0120
3005	1002	619.2540
3006	1007	131.7792
3009	1003	205.5876
3007	1002	9.0900
3008	1001	566.7600
3010	1002	37.1940
3011	1001	1187.0256

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).

```
KD1-Yashraj-86633@>SELECT DISTINCT city, MAX(rating) rating FROM customers GROUP BY city;
```

city	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.

```
KD1-Yashraj-86633@>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.

```
KD1-Yashraj-86633@>SELECT DISTINCT odate, COUNT(onum) as Total FROM orders GROUP BY odate ORDER BY COUNT(onum) DESC;
+-----+-----+
| odate   | Total |
+-----+-----+
| 1990-10-03 | 5 |
| 1990-10-04 | 5 |
+-----+-----+
2 rows in set (0.00 sec)
```