

ASSIGNMENT 2

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.

```
mysql> select o.onum,o.snum,s.sname,o.amt *12 as commision
-> from orders o
-> join
-> salespeople s ON o.snum = s.snum;
```

onum	snum	sname	commision
3001	1001	Peel	14406.00
3002	1003	Axelrod	28200.00
3003	1004	Motika	0.00
3004	1004	Motika	NULL
3005	1002	Serres	54000.00
3006	1004	Motika	22809.00

6 rows in set (0.00 sec)

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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).

```
mysql> select city,max(rating) as result
-> from customers
-> group by city;
```

city	result
London	100
Barcelona	200
New York	150
Paris	250
Rome	300
San Jose	180
Madrid	220
Delhi	150

8 rows in set (0.01 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.

```
mysql> select rating,cname,cnum from customers order by rating desc;
```

rating	cname	cnum
300	David	2005
250	Green	2004
220	Gary	2007
200	Brown	2002
180	Carl	2006
150	Clark	2003
150	Ravi	2008
100	Allen	2001
100	Ravi	2009

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

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

```
mysql> SELECT o.odate, c.city, SUM(o.amt) AS totalAmt
-> FROM orders o
-> JOIN customers c ON o.cnum = c.cnum
-> GROUP BY o.odate, c.city
-> ORDER BY totalAmt DESC;
```

odate	city	totalAmt
1990-10-03	Rome	4500.00
1990-10-04	Barcelona	2350.00
1990-10-07	San Jose	1900.75
1990-10-03	London	1200.50
1990-10-05	New York	0.00
1990-10-06	Paris	NULL

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