

- 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:

KD4-89208-Ashish>select Onum,Snum,amt\*0.12 as Comission\_amt from orders;

```
KD4-89208-Ashish>select Onum,Snum,amt*0.12 as Comission_amt from orders;
+-----+-----+-----+
| Onum | Snum | Comission_amt |
+-----+-----+-----+
| 3001 | 1007 | 2.242800064086914 |
| 3003 | 1001 | 92.06280029296875 |
| 3002 | 1004 | 228.0119970703125 |
| 3005 | 1002 | 619.2540234375 |
| 3006 | 1007 | 131.7792041015625 |
| 3009 | 1003 | 205.58759765624998 |
| 3007 | 1002 | 9.09 |
| 3008 | 1001 | 566.76 |
| 3010 | 1002 | 157.193994140625 |
| 3011 | 1001 | 1187.0255859375 |
+-----+-----+-----+
10 rows in set (0.01 sec)
```

- 2) Write a query on the Customers table that will find the highest rating in each city. Put the output in this form:

ANS:

```
KD4-89208-Ashish>select concat(concat('For the city ',city),concat('the highest rating
: ',max(rating)))
-> as output
-> from customers group by city;
```

```
KD4-89208-Ashish>select concat(concat('For the city ',city),concat('the highest rating : ',max(rating)))
-> as output
-> from customers group by city;
+-----+
| output |
+-----+
| For the city Londonthe highest rating :100 |
| For the city Romethe highest rating :200 |
| For the city San Josethe highest rating :300 |
| For the city Berlinthe highest rating :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 :

KD4-89208-Ashish>SELECT rating, Cname, Snum

-> FROM customers

-> ORDER BY rating DESC;

```
KD4-89208-Ashish>SELECT rating, Cname, Snum
-> FROM customers
-> ORDER BY rating DESC;
+-----+-----+-----+
| rating | Cname   | Snum  |
+-----+-----+-----+
| 300    | Grass   | 1002  |
| 300    | Cisneros | 1007  |
| 200    | Giovanni | 1003  |
| 200    | Liu     | 1002  |
| 100    | Hoffman | 1001  |
| 100    | Clemens | 1001  |
| 100    | Pereira | 1004  |
+-----+-----+-----+
7 rows in set (0.01 sec)
```

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

ANS =

```
KD4-89208-Ashish>select odate,count(onum) from orders
```

```
-> group by odate
```

```
-> order by count(onum) desc;
```

```
KD4-89208-Ashish>select 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 (0.01 sec)
```