

Assignment 13

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1) Create a union of two queries that shows the names, cities, and ratings of all customers. Those with rating of 200 or greater will also have the words "High Rating", while the others will have the words "Low Rating".

Ans :

select cname , city , rating , 'High rating' from customers where rating >= 200 union select cname , city , rating , 'low rating' from customers where rating < 200 ;

```
KD3_86752_prathamesh@>select cname , city , rating , 'High rating' from
customers where rating >= 200 union select cname , city , rating , '
low rating' from customers where rating < 200 ;
```

cname	city	rating	High rating
Giovanni	Rome	200	High rating
Liu	San Jose	200	High rating
Grass	Berlin	300	High rating
Cisneros	San Jose	300	High rating
Hoffman	London	100	low rating
Clemens	London	100	low rating
Pereira	Rome	100	low rating

2) Write a command that produces the name and number of each salesperson and each customer with more than one current order. Put the results in alphabetical order.

```
SELECT s.sname AS name, s.snum AS num, " AS cname
FROM salespeople s
JOIN customers c ON s.snum = c.snum
JOIN orders o ON c.cnum = o.cnum
GROUP BY s.sname, s.snum
HAVING COUNT(o.onum) > 1
```

UNION

```
SELECT " AS sname, " AS snum, c.cname AS cname
FROM customers c
```

```

JOIN orders o ON c.cnum = o.cnum
GROUP BY c.cname, c.cnum
HAVING COUNT(o.onum) > 1
ORDER BY name, cname;

```

```

KD3_86752_prathamesh@>SELECT s.sname AS name, s.snum AS num, '' AS cname
-> FROM salespeople s
-> JOIN customers c ON s.snum = c.snum
-> JOIN orders o ON c.cnum = o.cnum
-> GROUP BY s.sname, s.snum
-> HAVING COUNT(o.onum) > 1
->
-> UNION
->
-> SELECT '' AS sname, '' AS snum, c.cname AS cname
-> FROM customers c
-> JOIN orders o ON c.cnum = o.cnum
-> GROUP BY c.cname, c.cnum
-> HAVING COUNT(o.onum) > 1
->
-> ORDER BY name, cname;
+-----+-----+-----+
| name   | num   | cname |
+-----+-----+-----+
|        |        | Cisneros |
|        |        | Grass   |
| Motika | 1004  |        |
| Rifkin | 1007  |        |
+-----+-----+-----+
4 rows in set (0.02 sec)

```

3) Form a union of three queries. Have the first select the snums of all salespeople in San Jose; the second, the cnums of all customers in San Jose; and the third the onums of all orders on October 3. Retain duplicates between the last two queries but eliminate any redundancies between either of them and the first. (Note: in the sample tables as given, there would be no such redundancy. This is besides the point.

Ans : select snum from salespeople where city = 'San J

ose' union select cnum from customers where city = 'San Jose' union all select onum from orders where odate = '1990-10-03' ;

```
KD3_86752_prathamesh@>select snum from salespeople where city = 'San J  
ose' union select cnum from customers where city =  
-> 'San Jose' union all select onum from orders where odate = '19  
90-10-03' ;
```

snum
1002
2003
2008
3001
3003
3002
3005
3006

8 rows in set (0.00 sec)