Assignment 13

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".

```
W3_93086_Harshal>use harshal
Database changed
W3_93086_Harshal>SELECT cname,city,'HIGH RATING' RATING
    -> FROM customers
    -> WHERE rating>200
    -> UNION
    -> SELECT cname,
    ->        city,
    ->        'LOW RATING' RATING
    -> FROM customers
    -> WHERE rating <=200;
+----------+----------+-------------+
| cname    | city     | RATING      |
+----------+----------+-------------+
| Grass    | Berlin   | HIGH RATING |
| Cisneros | San Jose | HIGH RATING |
| Hoffman  | London   | LOW RATING  |
| Giovanni | Rome     | LOW RATING  |
| Liu      | San Jose | LOW RATING  |
| Clemens  | London   | LOW RATING  |
| Pereira  | Rome     | LOW RATING  |
+----------+----------+-------------+
7 rows in set (0.01 sec)

W3_93086_Harshal>
```

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.

```
W3_93086_Harshal>SELECT sname,snum,cname
    -> FROM salespeople
    -> JOIN customers using(snum)
    -> WHERE snum IN (SELECT snum FROM customers GROUP BY snum HAVING count(
snum)>1) ORDER BY sname, cname;
+---------+------+---------+
| sname   | snum | cname   |
+---------+------+---------+
| Peel    | 1001 | Clemens |
| Peel    | 1001 | Hoffman |
| Serres  | 1002 | Grass   |
| Serres  | 1002 | Liu     |
+---------+------+---------+
4 rows in set (0.01 sec)

W3_93086_Harshal>
W3_93086_Harshal>
```

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.).

```
W3_93086_Harshal>
W3_93086_Harshal>SELECT snum
    -> FROM salespeople
    -> WHERE city='san jose'
    -> UNION
    -> SELECT DISTINCT snum
    -> FROM orders
    -> WHERE snum IN (SELECT snum
    -> FROM orders
    -> WHERE odate LIKE '03-OCT-%');
+------+
| snum |
+------+
| 1002 |
+------+
1 row in set (0.01 sec)

W3_93086_Harshal>
```