

Name: Prashansa Nalawade

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".

```
mysql> SELECT Cname, City, Rating, 'High Rating' AS RatingStatus
-> FROM customers
-> WHERE Rating >= 200
-> UNION ALL
-> SELECT Cname, City, Rating, 'Low Rating' AS RatingStatus
-> FROM customers
-> WHERE Rating < 200;
```

Cname	City	Rating	RatingStatus
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

7 rows in set (0.01 sec)

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. 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

```
mysql>
mysql> SELECT Sname AS Name, Snum AS Number
-> FROM salespeople
-> WHERE Snum IN (
-> SELECT Snum
-> FROM orders
-> GROUP BY Snum
-> HAVING COUNT(Onum) > 1
-> )
-> UNION ALL
-> SELECT Cname AS Name, Cnum AS Number
-> FROM customers
-> WHERE Cnum IN (
-> SELECT Cnum
-> FROM orders
-> GROUP BY Cnum
-> HAVING COUNT(Onum) > 1
-> )
-> ORDER BY Name;
```

Name	Number
Cisneros	2008
Clemens	2006
Grass	2004
Peel	1001
Rifkin	1007
Serres	1002

6 rows in set (0.01 sec)

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.)

```
mysql> SELECT Snum
-> FROM salespeople
-> WHERE City = 'San Jose'
-> UNION
-> SELECT Cnum
-> FROM customers
-> WHERE City = 'San Jose'
-> UNION ALL
-> SELECT Onum
-> FROM orders
-> WHERE Odate = '1990-10-03';
```

```
+-----+
| Snum |
+-----+
| 1002 |
| 2003 |
| 2008 |
| 3001 |
| 3003 |
| 3002 |
| 3005 |
| 3006 |
+-----+
```

```
8 rows in set (0.01 sec)
```