

Assignment – 13

Using the UNION clause.

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”.

```
select cname,city,concat(rating,'High rating')from customers where rating>=200
```

Union

```
select cname,city, concat(rating,'Low rating')from customers where rating<200;
```

```
KD2-86650-Shivali@>select cname,city,concat(rating,'High rating')from customers where rating>=200
-> union
-> select cname,city, concat(rating,'Low rating')from customers where rating<200;
+-----+-----+-----+
| cname | city | concat(rating,'High rating') |
+-----+-----+-----+
| Giovanni | Rome | 200High rating |
| Liu | San Jose | 200High rating |
| Grass | Berlin | 300High rating |
| Cisneros | San Jose | 300High rating |
| Hoffman | London | 100Low rating |
| Clemens | London | 100Low rating |
| Pereira | Rome | 100Low rating |
+-----+-----+-----+
7 rows in set (0.01 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.

```
KD2-86650-Shivali@>select snum from salespeople where city='San Jose' union select cnum from customers where city='San Jose' union all select snum from orders where odate='1998-10-03';
+-----+
| snum |
+-----+
| 1002 |
| 2003 |
| 2008 |
| 1007 |
| 1001 |
| 1004 |
| 1002 |
| 1007 |
+-----+
8 rows in set (0.00 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.

```
union 1007 (1002) snum cnum onum in moving circle
KD2-86650-Shivali@>select s.snum,s.sname from salespeople s,orders o where s.snum=o.snum group by s.snum,s.sname having count(onum)>1 union select c.cnum,c.cname from customers c,orders o where c.cnum=o.cnum group by c.cnum,c.cname having count(onum)>1;
+-----+-----+
| snum | sname |
+-----+-----+
| 1007 | Rifin |
| 1001 | Peel |
| 1002 | Serres |
| 2008 | Cisneros |
| 2004 | Grass |
| 2006 | Clemens |
+-----+-----+
6 rows in set (0.01 sec)
```