

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”.

Ans:-

```
D3_92975_siddarth> select cname,city,concat (rating,' [High Rating]')
-> union
-> select cname,city,concat (rating,' [Low Rating]') from custom
```

cname	city	rating
Giovanni	Rome	200 [High Rating]
Liu	San Jose	200 [High Rating]
Grass	Barlin	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 (0.00 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.

Ans:-

```

D3_92975_siddarth>select Sname "Name", count(*) "count" from orders,
-> where salespeople.snum = orders.snum
-> group by Sname
-> having count(*) > 1
-> union
-> select Cname "Name", count(*) "count" from orders, customers
-> where customers.cnum = orders.cnum
-> group by cname
-> having count(*) > 1
-> order by 1;

```

Name	count
Cisneros	2
Clemens	2
Grass	2
peel	3
Rifkin	2
Serres	3

6 rows in set (0.04 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:-

```
D3_92975_siddarth>select Snum "number" from salespeople
-> where city = 'San Jose'
-> union
-> select Cnum from customers
-> where city = 'San Jose'
-> union
-> select Onum from orders
-> where odate = '1990-10-03';
```

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

```
8 rows in set (0.00 sec)
```