

## 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:** select Cname, city, rating, ' High rating ' as rating\_category

-> from customers

-> where rating>=200

-> union

-> select Cname, city, rating, 'Low rating' as rating\_category

-> from customers

-> where rating<200;

Cname	city	rating	rating_category
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.

**Ans:** SELECT Sname AS name, Snum AS number, 'Salesperson' AS type

-> FROM Salespeople

-> WHERE Snum IN (

-> SELECT Snum

-> FROM Customers

-> GROUP BY Snum

```

->  HAVING COUNT(*) > 1
-> )
->
-> UNION
->
-> SELECT Cname AS name, Cnum AS number, 'Customer' AS type
-> FROM Customers
-> WHERE Cnum IN (
->  SELECT Cnum
->  FROM Orders
->  GROUP BY Cnum
->  HAVING COUNT(*) > 1
-> )
-> ORDER BY name;

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name	number	type
Cisneros	2008	Customer
Clemens	2006	Customer
Grass	2004	Customer
Peel	1001	Salesperson
Serres	1002	Salesperson

**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 AS id

FROM Salespeople

WHERE City = 'San Jose'

UNION

SELECT Cnum AS id

FROM Customers

WHERE City = 'San Jose'

UNION ALL

SELECT Onum AS id

FROM Orders

WHERE OrderDate = '2025-10-03';

id
1002
2003
2008