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, Rating, 'High Rating'as Rating_Theme from customers
where Rating>=200
UNION
select Cname, City, Rating, 'Low Rating'as Rating_Theme from customers
where Rating<200;
```

Cname	City	Rating	Rating_Theme
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
Clements	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.

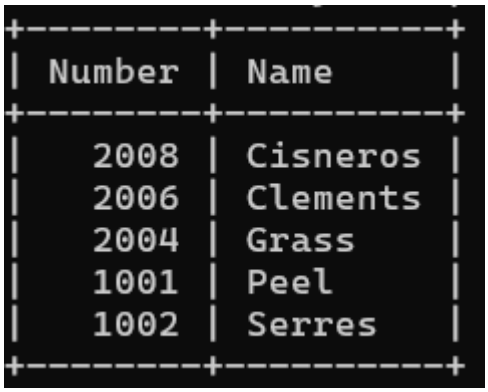
```
select salespeople.Snum AS Number, salespeople.Sname AS Name
from orders, salespeople
where orders.Snum = salespeople.Snum
group by salespeople.Snum, salespeople.Sname
having COUNT(orders.Onum) > 1
union all
select customers.Cnum AS Number, customers.Cname AS Name
from customers, orders
```

where customers.Cnum = orders.Cnum

group by customers.Cnum, customers.Cname

having COUNT(orders.Onum) > 1

order by Name;



Number	Name
2008	Cisneros
2006	Clements
2004	Grass
1001	Peel
1002	Serres

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.)

select Cnum as Number from customers

where City='San Jose'

union

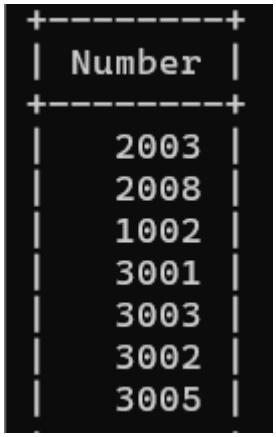
select Snum as Number from salespeople

where City='San Jose'

union all

select Onum as Number from orders

where Odate='1990-10-03';



Number
2003
2008
1002
3001
3003
3002
3005