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:-

```
KD3_86718_yagywalky@>select cname,city, rating , 'high rating' as remarks fr
om customers
    -> where rating >= 200
    -> union
    -> select cname,city, rating , 'low rating' as remarks from customers
    -> where rating <200;
+----------+----------+--------+--------------+
| cname    | city     | rating | remarks      |
+----------+----------+--------+--------------+
| Giovanni | Rome     |    300 | high rating  |
| Liu      | San Jose |    200 | high rating  |
| Grass    | Berlin   |    300 | high rating  |
| Cisneros | San Jose |    300 | high rating  |
| Pereira  | Rome     |    200 | high rating  |
| Hoffman  | London   |    100 | low rating   |
| Clemens  | London   |    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:-

```
KD3_86718_yagywalky@>select cname as name,cnum as number from customers
    -> where cnum in (select cnum from orders group by cnum having count(cnum)>1)
    -> union
    -> select sname, snum from salespeople
    -> where snum in (select snum from orders group by snum having count(snum)>1)
    -> order by name;
+----------+--------+
| name     | number |
+----------+--------+
| Cisneros |   2008 |
| Clemens  |   2006 |
| Grass    |   2004 |
| Peel     |   1001 |
| Rifkin   |   1007 |
| Serres   |   1002 |
+----------+--------+
6 rows in set (0.00 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:-

```
KD3_86718_yagywalky@>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 (0.00 sec)
```