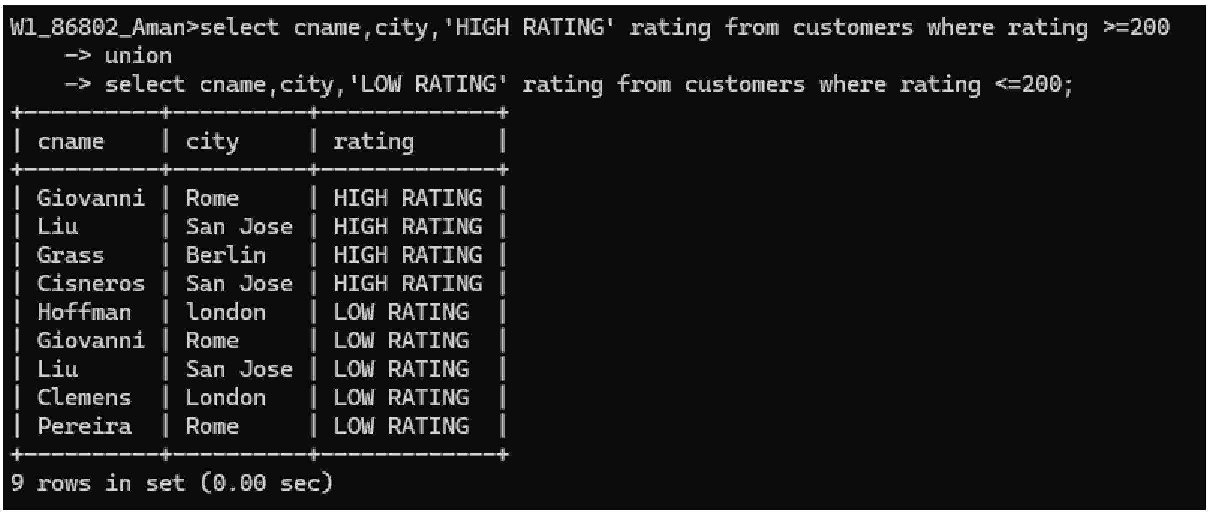
Assignment 13

MySql

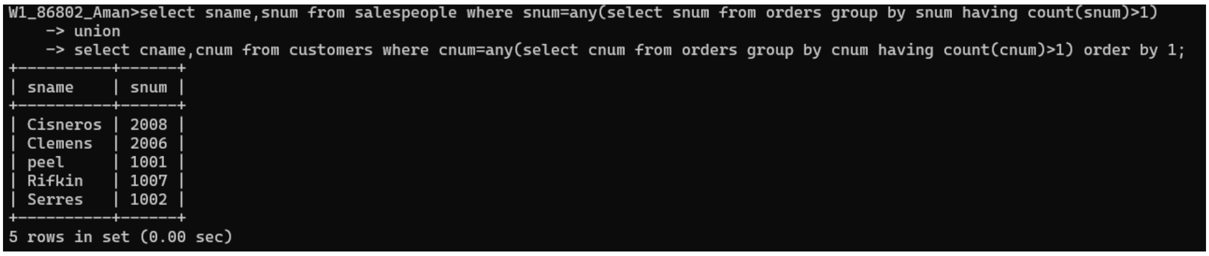
Database technologies

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”.



```
W1_86802_Aman>select cname,city,'HIGH RATING' rating from customers where rating >=200
    -> union
    -> select cname,city,'LOW RATING' rating from customers where rating <=200;
+----------+----------+-------------+
| cname    | city     | rating      |
+----------+----------+-------------+
| Giovanni | Rome     | HIGH RATING |
| Liu      | San Jose | HIGH RATING |
| Grass    | Berlin   | HIGH RATING |
| Cisneros | San Jose | HIGH RATING |
| Hoffman  | london   | LOW RATING  |
| Giovanni | Rome     | LOW RATING  |
| Liu      | San Jose | LOW RATING  |
| Clemens  | London   | LOW RATING  |
| Pereira  | Rome     | LOW RATING  |
+----------+----------+-------------+
9 rows in set (0.00 sec)
```

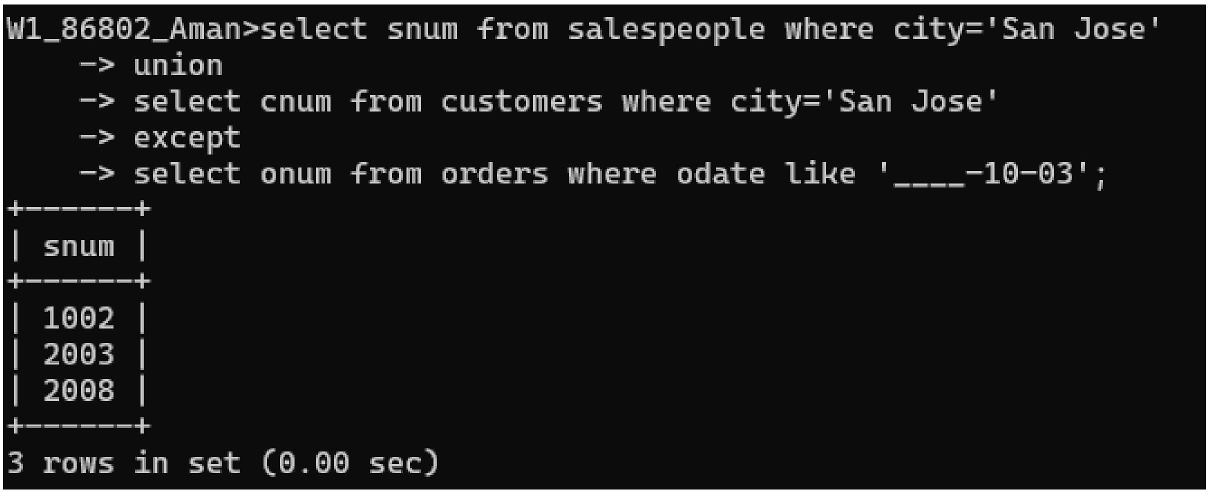
2) Write a command that produces the name and number of each salesperson and each customer with more than one current order. Put the results in alphabetical order.



```
W1_86802_Aman>select sname,snum from salespeople where snum=any(select snum from orders group by snum having count(snum)>1)
    -> union
    -> select cname,cnum from customers where cnum=any(select cnum from orders group by cnum having count(cnum)>1) order by 1;
+----------+------+
| sname    | snum |
+----------+------+
| Cisneros | 2008 |
| Clemens  | 2006 |
| peel     | 1001 |
| Rifkin   | 1007 |
| Serres   | 1002 |
+----------+------+
5 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.)



```
W1_86802_Aman>select snum from salespeople where city='San Jose'
    -> union
    -> select cnum from customers where city='San Jose'
    -> except
    -> select onum from orders where odate like '____-10-03';
+------+
| snum |
+------+
| 1002 |
| 2003 |
| 2008 |
+------+
3 rows in set (0.00 sec)
```