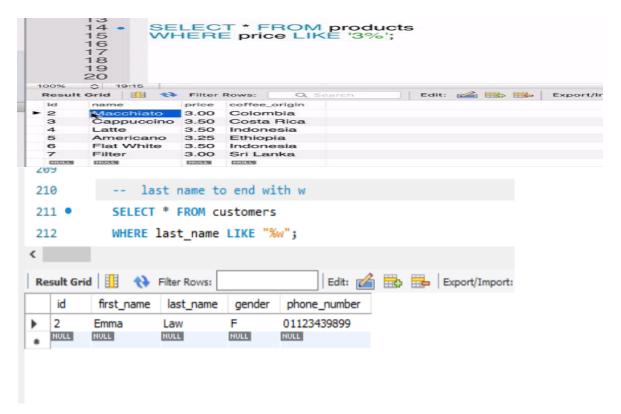
```
#### 4f. BETWEEN - SELECT rows with values in a range
    SELECT * FROM orders
   WHERE order time BETWEEN '2017-01-01' AND '2017-01-07';
   IF dealing with int, no need of ' ' from range
          SELECT * FROM orders
  205
           WHERE order_time BETWEEN '2017-01-01' AND '2017-01-07';
  206
  207 •
           SELECT * FROM customers
           WHERE last name BETWEEN 'A' AND 'L';
  208
                                      Edit: 🔏 📆 Export/Import: 📳 📸 Wrap Cell Content: 🟗
  first_name last_name gender phone_number
          Katie
                  Armstrong F
                                  01145787353
    6
    7 Michael
                Bluth M
                                  01980289282
          Buster
                  Bluth
                                  01173456782
                        F
    11 Lindsay Bluth
                                  01176923804
    12
       Harry
                  Johnson M
    16 Gob
                  Bluth M
                                 01176985498
    17
          George
                  Bluth
                           M
                                  01176984303
                  Bluth F
                                  01198773214
    18 Lucille
 customers 88 x
```

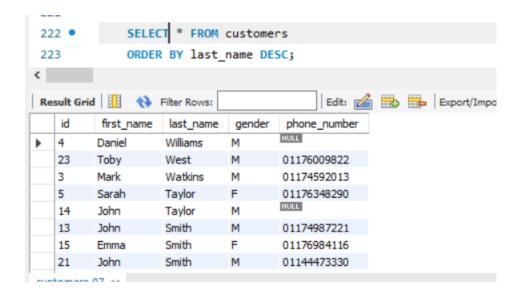
## 4e LIKE

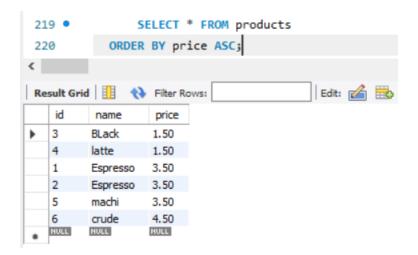
```
SELECT * FROM cutomers WHERE firs_name LIKE '%da%'; - name contains 'da'
    'da%' - name starts with 'da'
    '%da' - name ends with 'da'
    '_o_' - have just one ch on either side of o, EG- Gob
    SELECT title, stock_quantity FROM books WHERE stock_quantity LIKE '___';
    '%\%%'; - to detect '%'
    '%\_%'; = to detect '_'
```



#### 4g. ORDERBY ASC/DESC - by def it is ASC

SELECT \* FROM products
 ORDER BY price ASC; - sim use DESC for descending





## EX2.

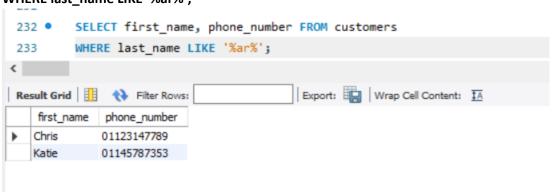
# Exercise 2

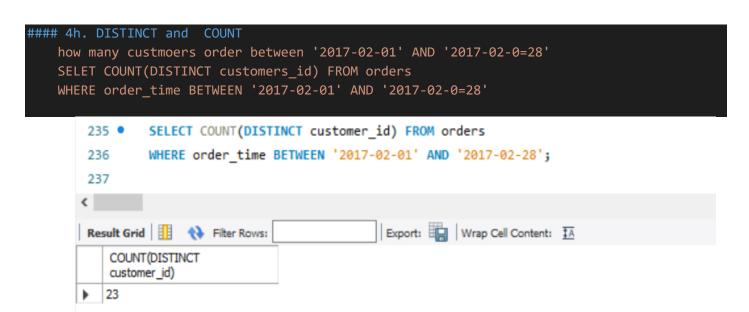
- 1. From the products table, select the name and price of all products with a coffee origin equal to Colombia or Indonesia. Ordered by name from A-Z.
- 2. From the orders table, select all the orders from February 2017 for customers with id's of 2, 4, 6 or 8.
- 3. From the customers table, select the first name and phone number of all customers who's last name contains the pattern 'ar'.

- SELECT name, price FROM products
   WHERE coffe\_origin IN (Colombia', 'Indonesia')
   ORDER BY name;
- SELECT \* FROM orders
   WHERE order\_time BETWEEN '2017-02-01' AND '2017-02-28';
   AND customer\_id IN(2,4,6,8);

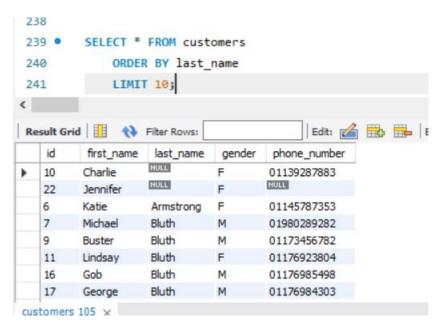
```
SELECT * FROM orders
228 •
         WHERE order_time BETWEEN '2017-02-01' AND '2017-02-28'
229
230
          AND customer_id IN(2,4,6,8);
231
232
<
Edit: 🚄 🖶 🖶 Export/Import: 📺 👸 Wra
    id
          product_id
                    customer_id
                                order_time
                    4
                               2017-02-10 11:05:34
   69
         1
                    2
                               2017-02-11 08:00:38
   70
         3
                    8
                               2017-02-12 08:08:08
   73
         5
                    2
                               2017-02-13 12:34:56
   75
                    4
                               2017-02-14 09:12:56
   78
         1
                    8
                               2017-02-15 09:27:50
   89
                               2017-02-20 10:43:39
   92
                    2
         3
                               2017-02-21 11:08:45
```

SELECT first\_name, phone\_number FROM customers WHERE last name LIKE '%ar%';





# #### 4i. LIMIT allows to specify a number - EG : How many books do u want to select PRINT 5 RECENTLY REALEASED BOOKS. SELECT title,released\_year FROM books ORDER BY 2 DESC LIMIT 5; print first 5-15 customers SELECT \* FROM cutomers LIMIT 10 OFFSET 5



# ex3

# Exercise 3

- From the customers table, select distinct last names and order alphabetically from A-Z.
- 2.From the orders table, select the first 3 orders placed by customer with id 1, in February 2017.
- 3. From the products table, select the name, price and coffee origin but rename the price to retail\_price in the results set.

