FINAL PROJECT

BIKE STORE ANALYSIS USING 'SQL'

INTRODUCTION

hi, i'm nada sami i'm AI student and I will introduce my project to you. MY project is about
Bike Store
it explain the relation
beteween every thing in
the dataset i have used
in my steps in the
project

here i will explain my steps in this project

At first, I open kaggle to optain the dataset then i upload it to SSMS to start work with it, I make some preprocessing steps in the data So it become ready to make our queries on it.

how I upload the dataset to SSMS

1* Create database BIKESTORE_DB
2* click on my database>> tasks>>import flat files
then upload every table in the dataset from my pc

Here is ERD to the project tables:

*customer

* staffs

*stores

*orders

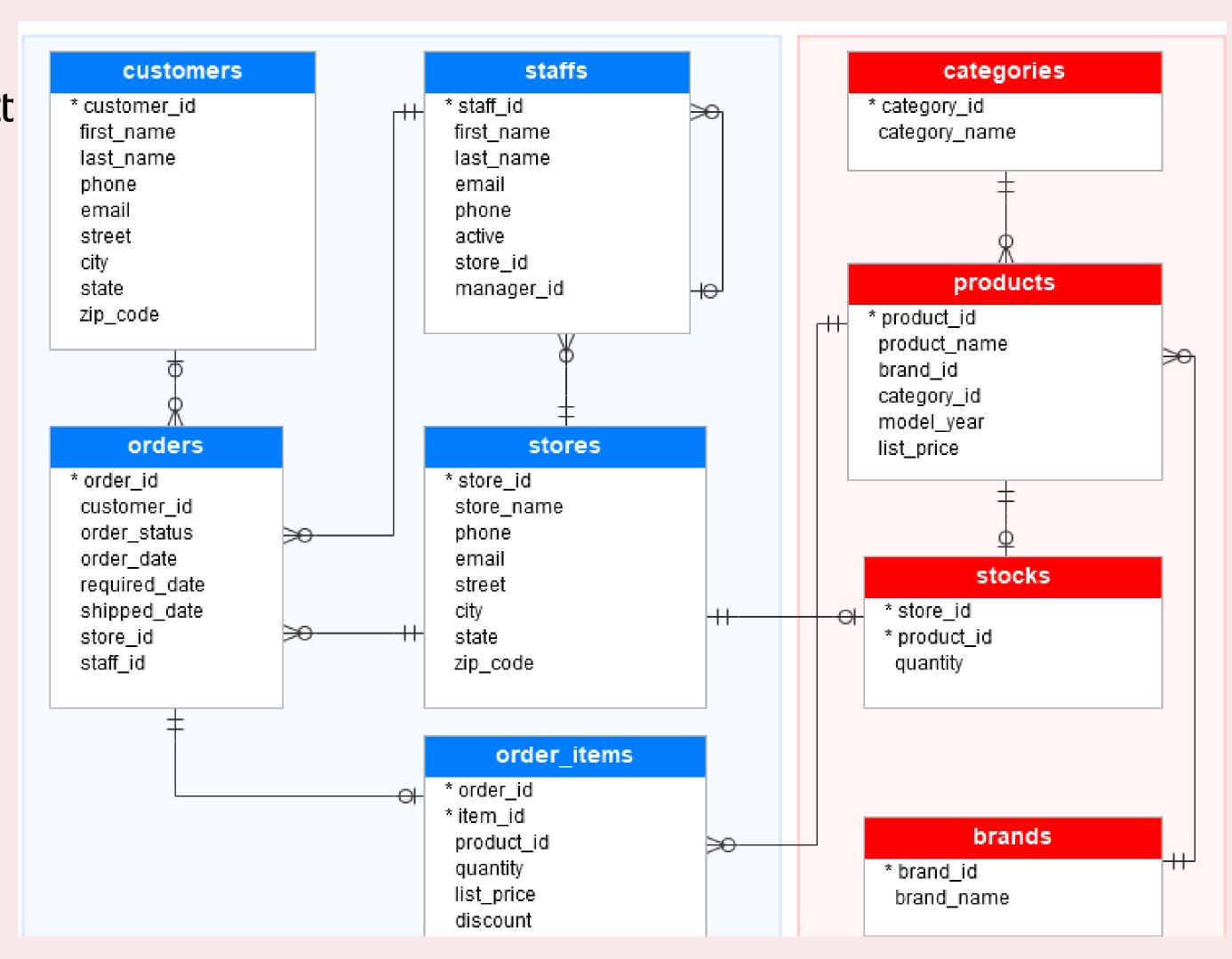
*order_items

*categories

*products

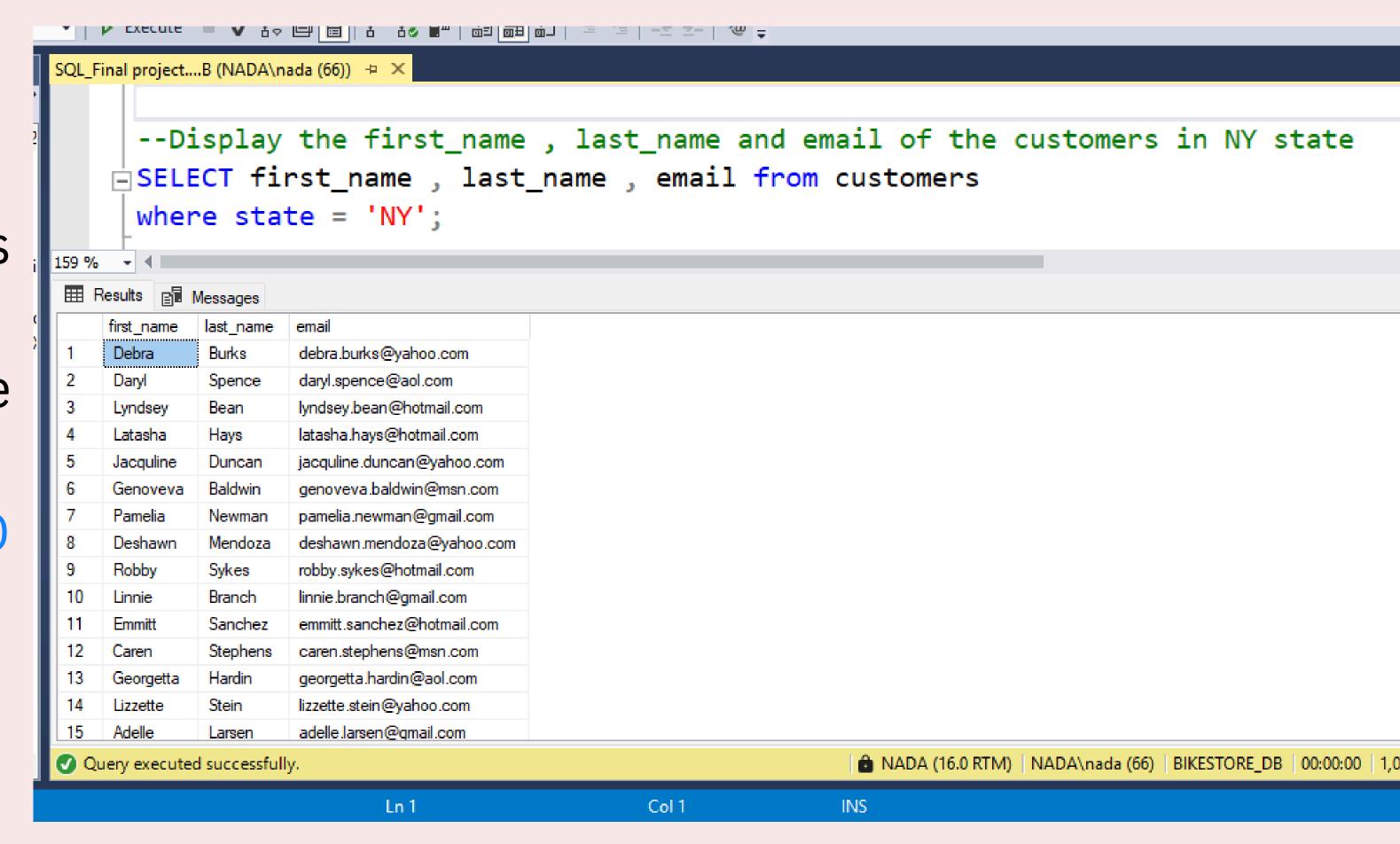
*stocks

*brands



-Display Data-

"Here I display customers names and notice that more than 1000 customer from (NY) state"



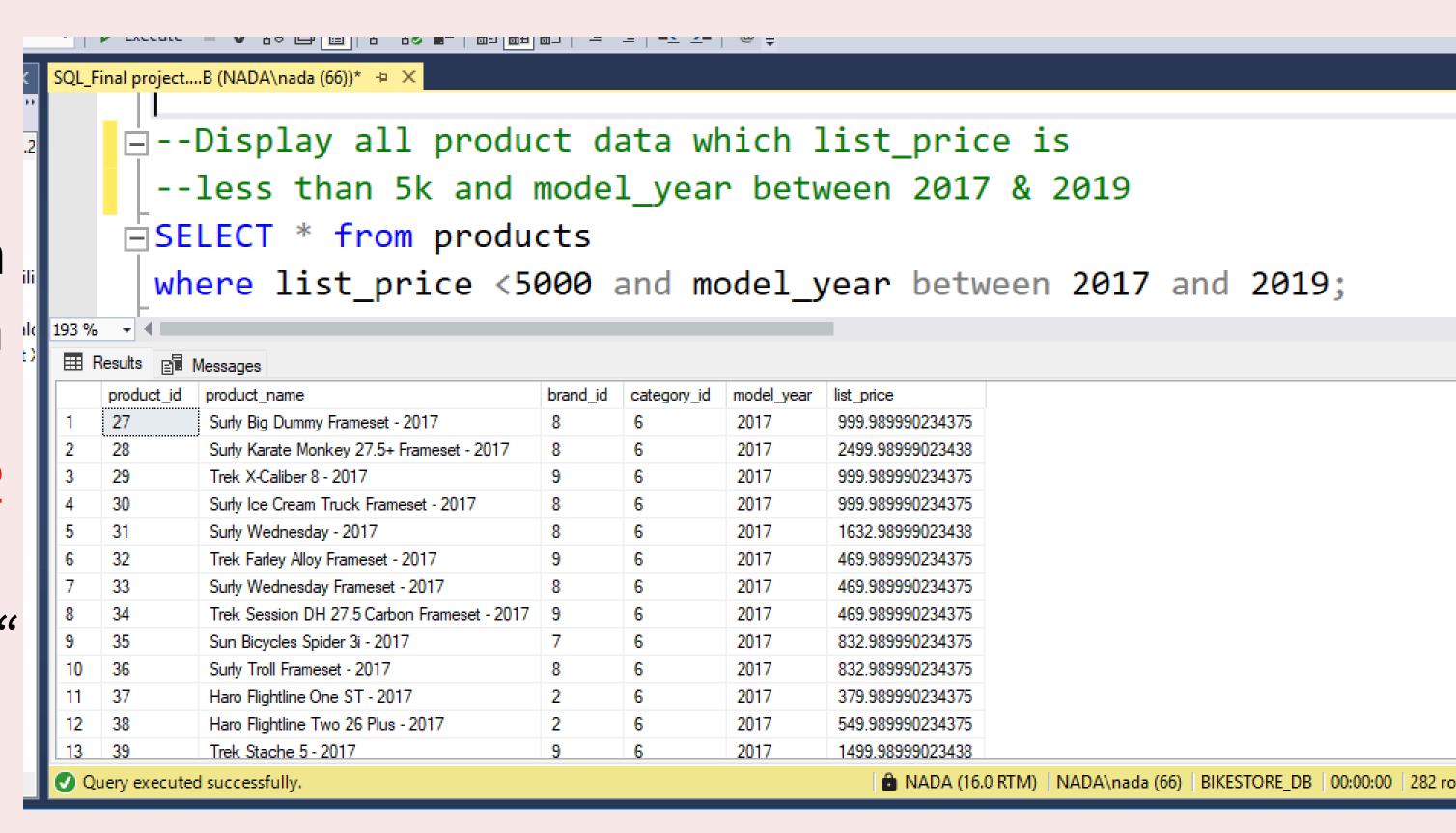
Here I display
MAX & MIN & AVG
price 'for each
product

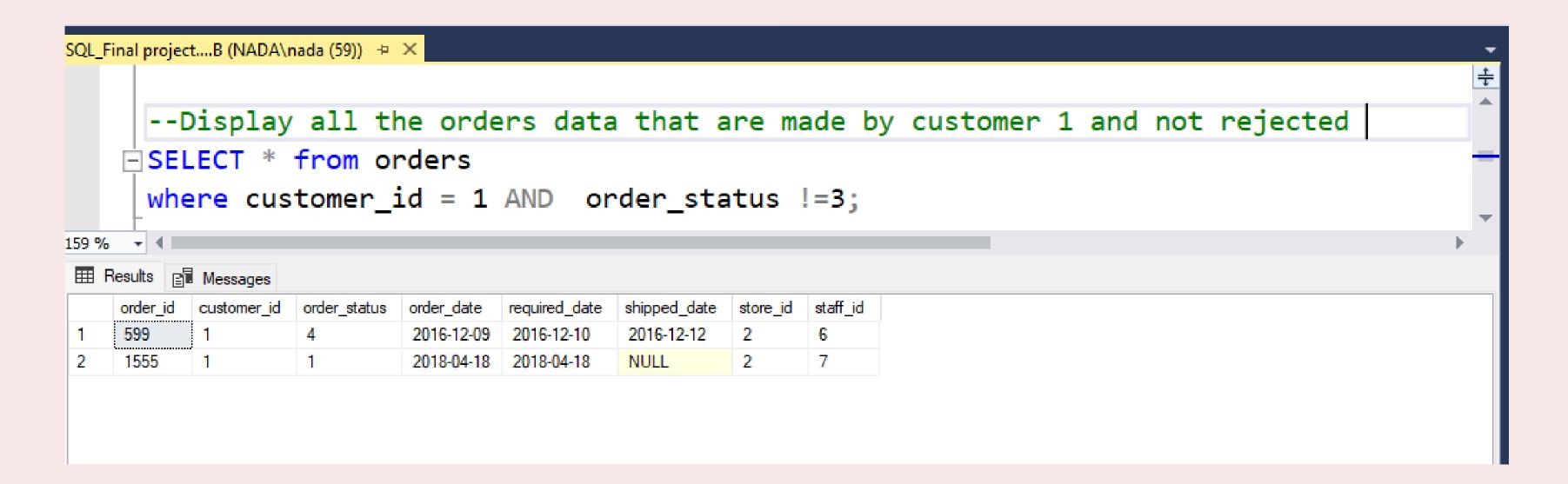
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Final project....B (NADA\nada (52))* □ ×

    Display Max and min and avg of list_price from product

 ELECT MAX(list_price) AS Max_price ,
           MIN (list_price) AS Min_price ,
           AVG(list price) AS Avg price
            from products;
Results Messages
 Max price
            Min_price
                        Avg price
 11999.990234375
            89.9899978637695
                        1520 59141264823
```

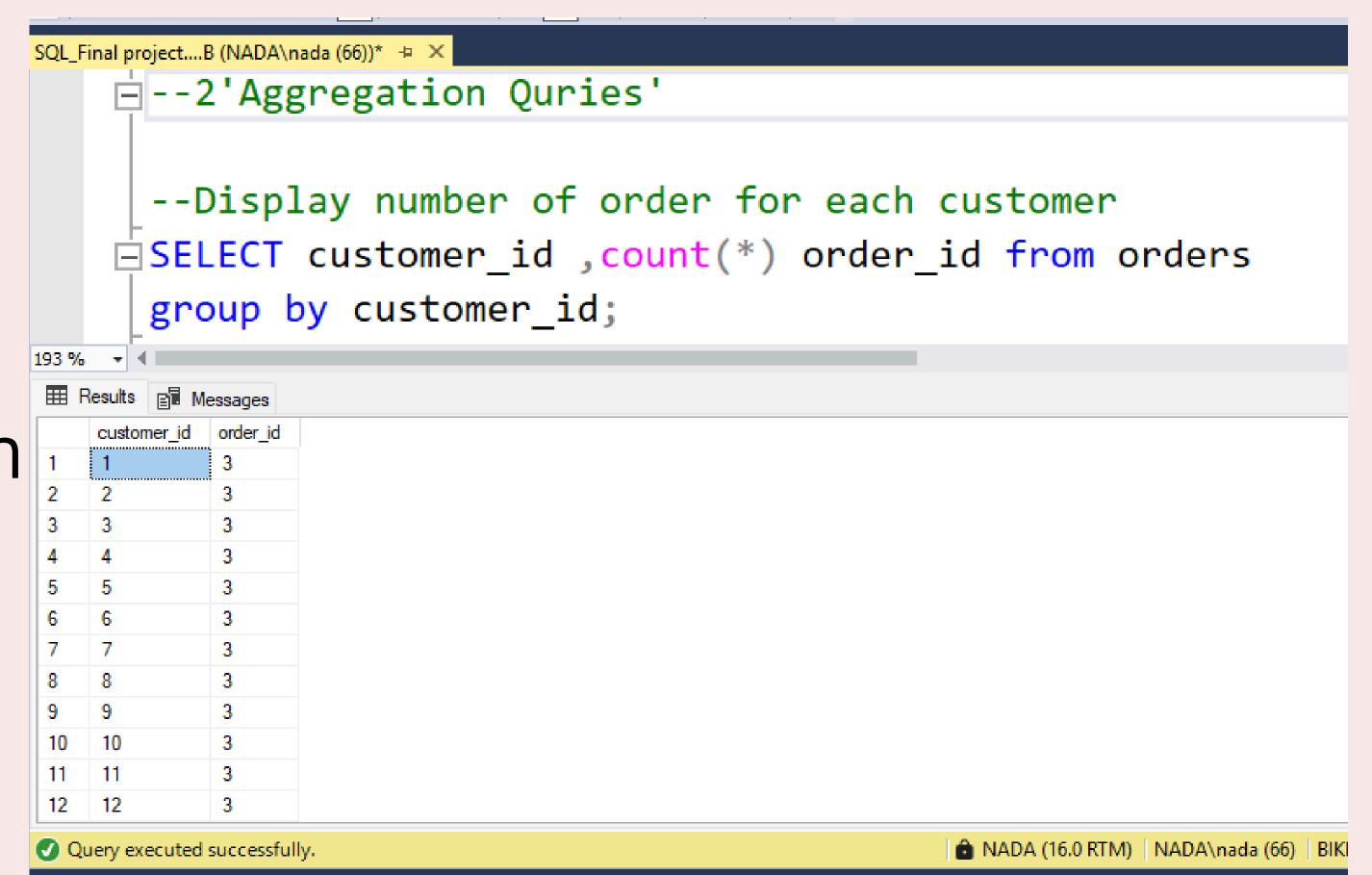
"Here we notice that in time between 2017 & 2019 there are 282 product with price < 5000 "



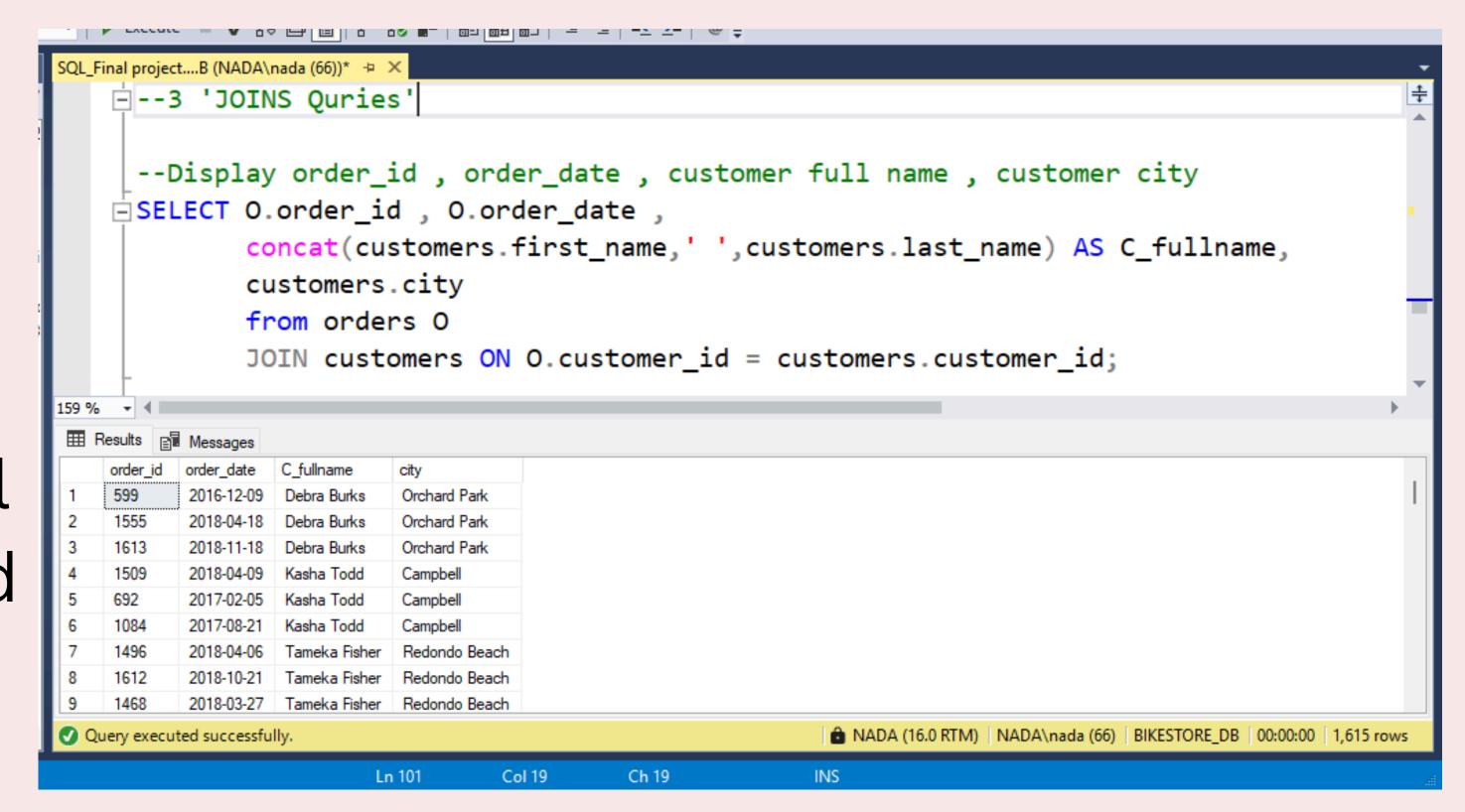


This query display all orders where made by customer num 1 that were not rejected

"this query display the number of orders which each customer makes"



"These results display all customers names and cities with all orders ID and date they make"



This query display order_id & store_id of order that made by customers which these names start with char

```
SQL_Final project....B (NADA\nada (59)) + X
     --for each order retrieve order_id , store_id which customer name start with 'A'
   SELECT order_id , store_id from orders
     where customer_id IN (SELECT customer_id from customers
                             where first_name like 'A%' );
159 % 🛨 🜗
Results Messages
        store id
   183
   189
   198

    Query executed successfully.
```



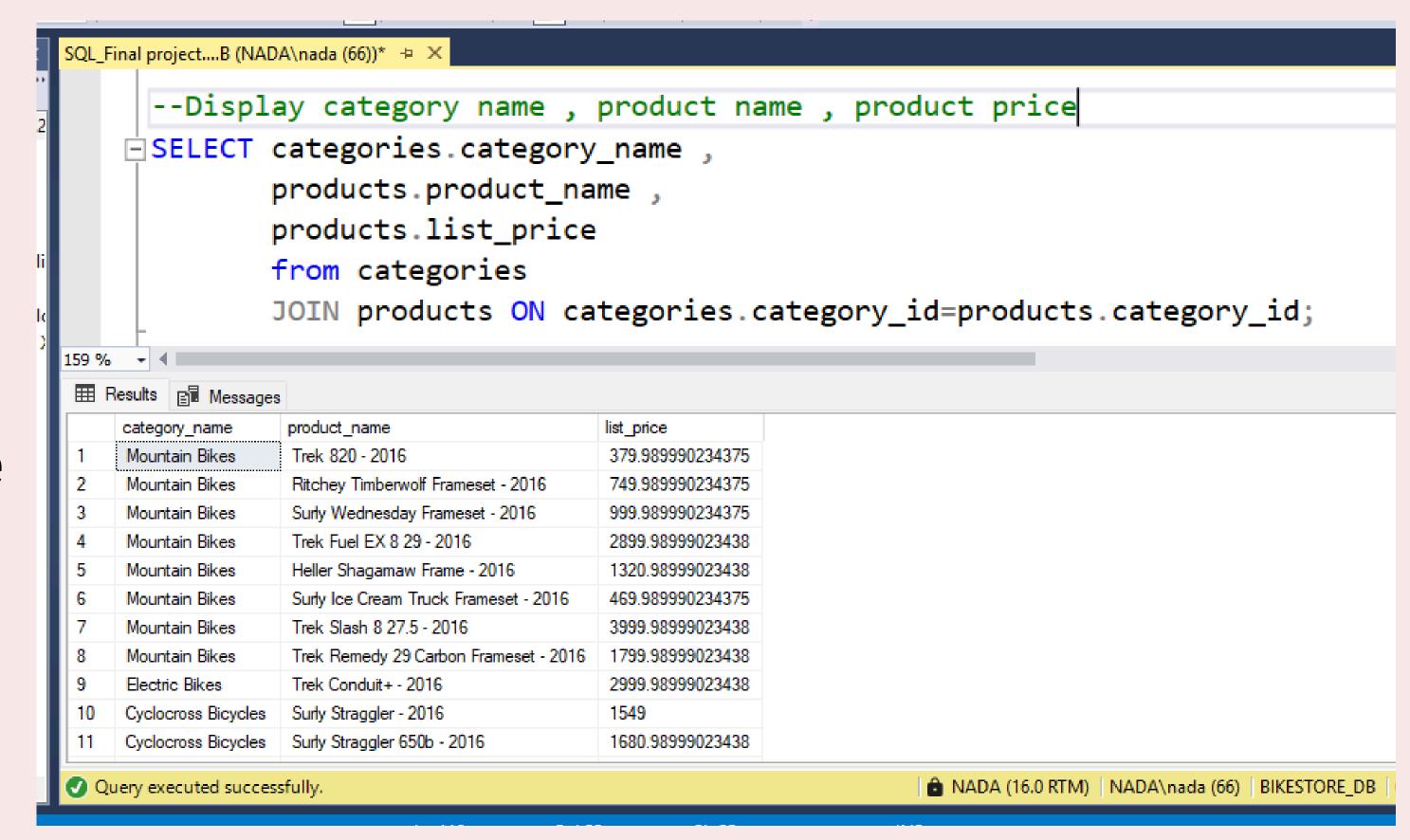
Here this query display product_id & it's quantity in store num 1 & 2 notice that there is 626 product

```
SQL_Final project....B (NADA\nada (66))* 🕩 🗶
    /*Display product_id and it's quantity in stocks and store name
       and store sity of this product which store_id is 1 or 2 */
    SELECT stocks.product_id , stocks.quantity ,
               stores.store_name ,
               stores.city
               from stocks
               JOIN stores ON stocks.store_id =( SELECT stores.store_id
                                                              where stores.store_id in (1,2));
159 %
Results Resages
    product_id
             quantity
                   store name
                    Santa Cruz Bikes Santa Cruz
                    Santa Cruz Bikes Santa Cruz
                    Santa Cruz Bikes Santa Cruz
                    Santa Cruz Bikes Santa Cruz
                   Santa Cruz Bikes | Santa Cruz
                   Santa Cruz Bikes | Santa Cruz
                   Santa Cruz Bikes Santa Cruz
                    Santa Cruz Bikes Santa Cruz
                   Santa Cruz Bikes | Santa Cruz

    Query executed successfully.

                                                                       NADA (16.0 RTM) NADA\nada (66) BIKESTORE_DB
```

"Here the results display each category name and the products of it (product _n and it' price)"



ANY QUESTION?

THANK YOU