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

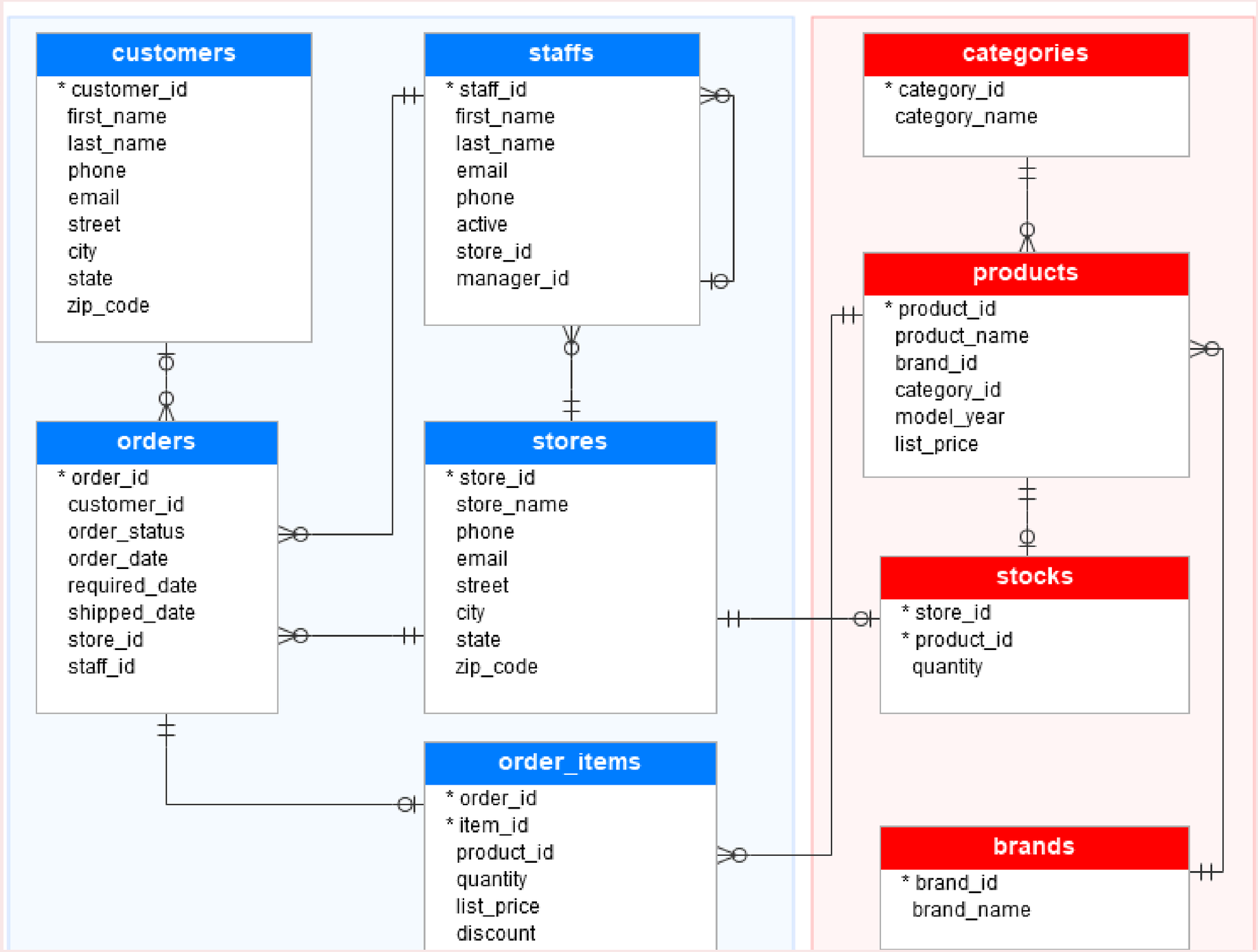
*order_items

*categories

*products

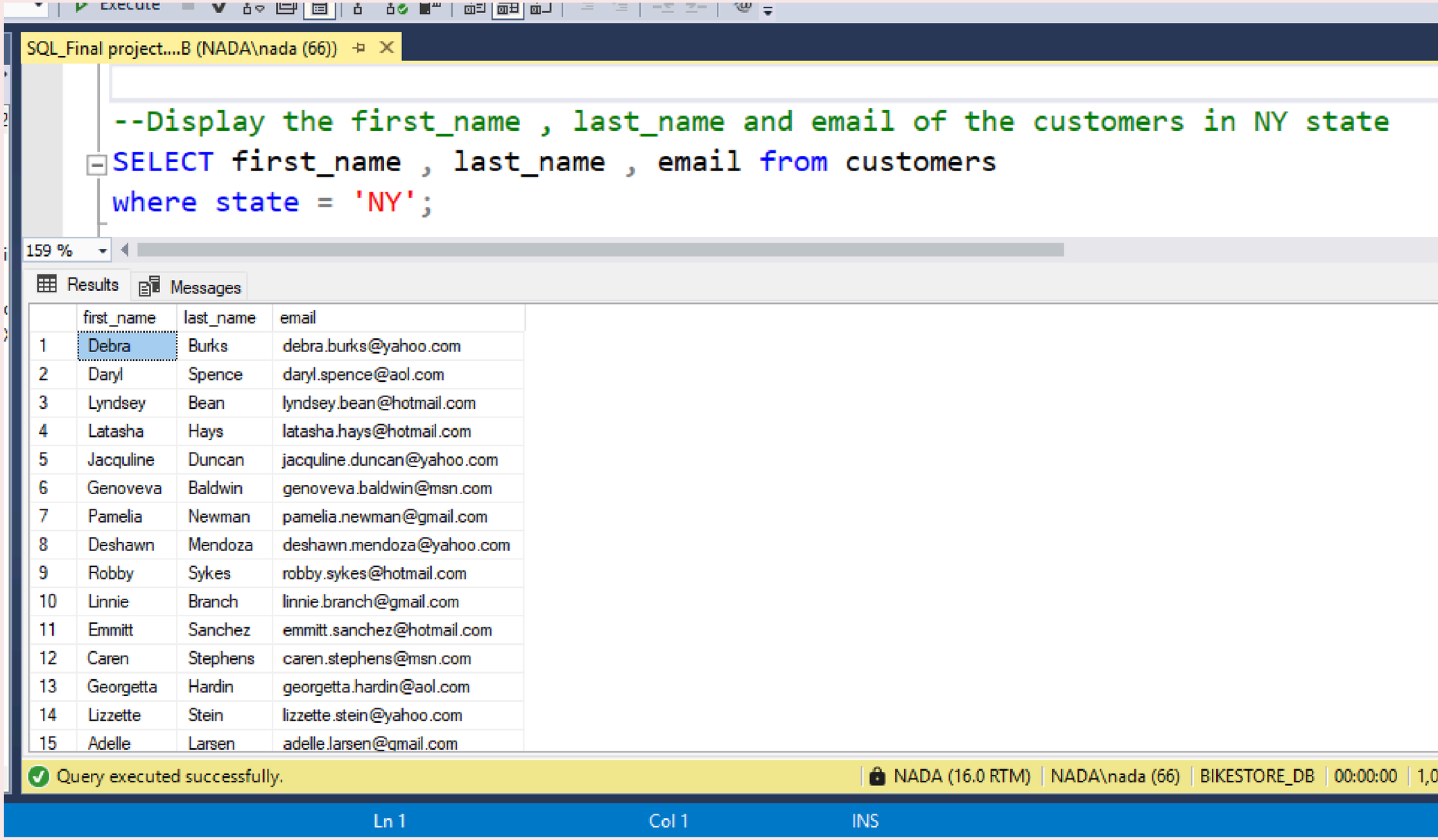
*stocks

*brands

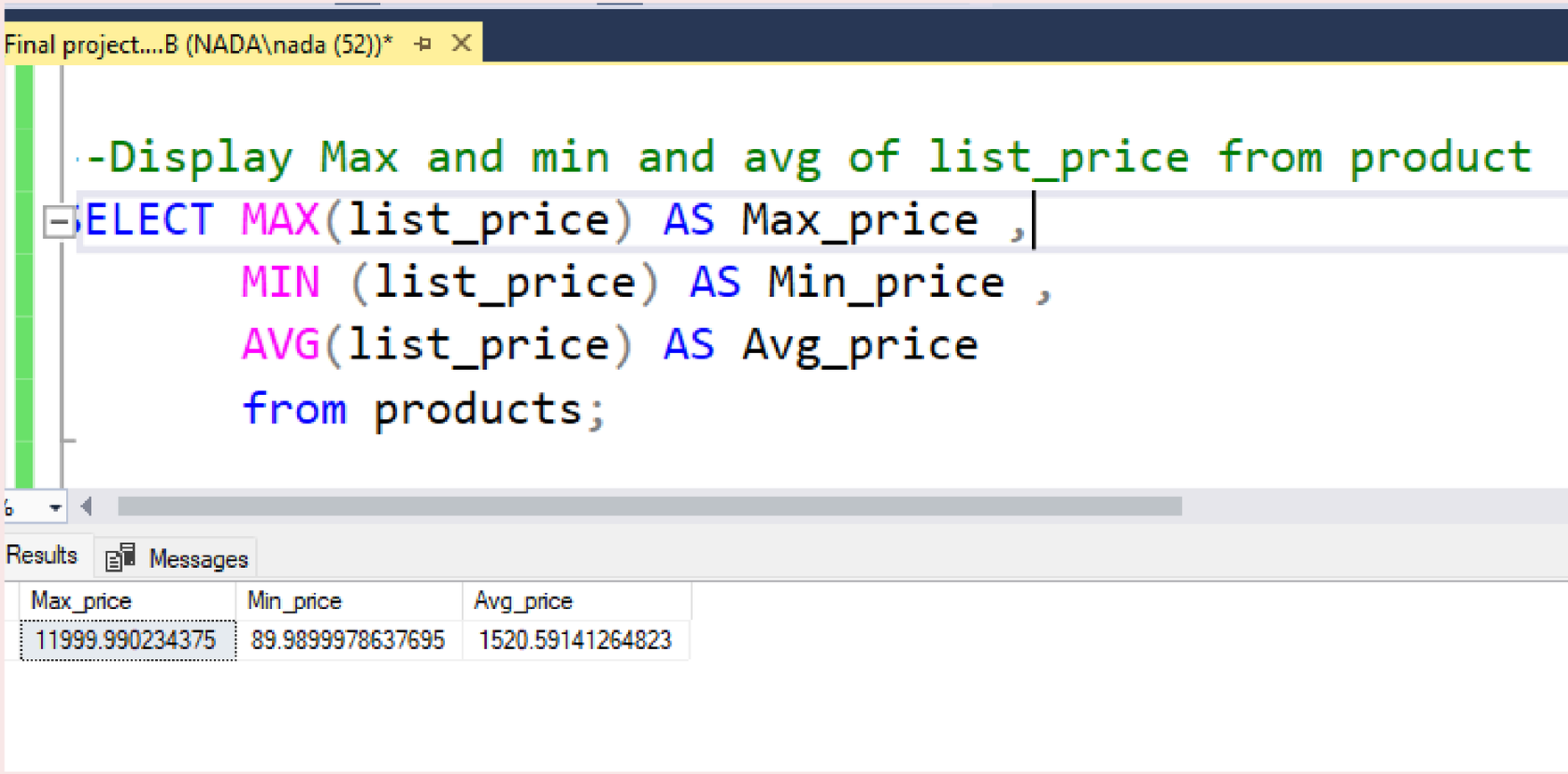


--Display Data--

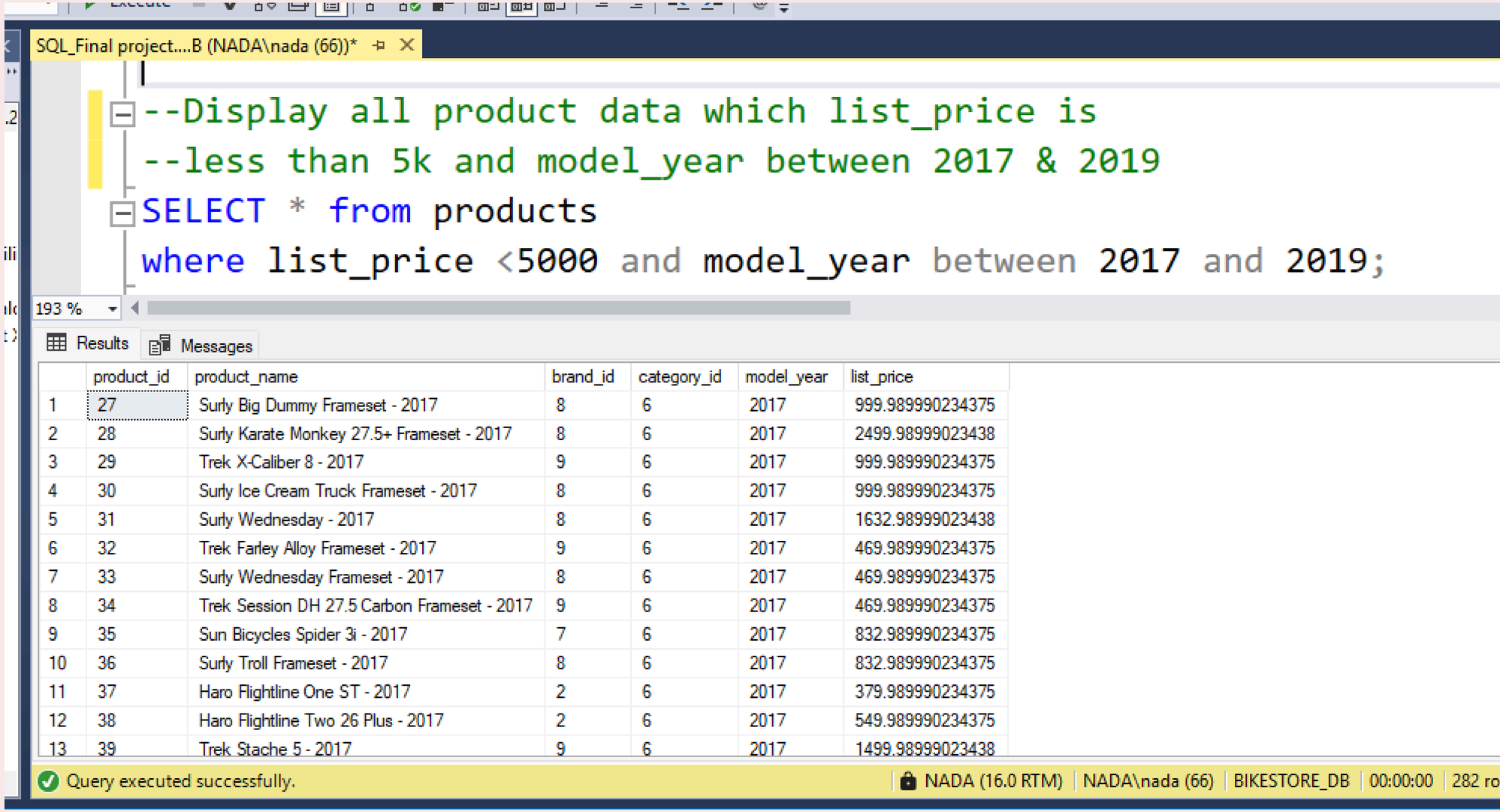
“Here I display customers names and notice that more than 1000 customer from (NY) state”



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

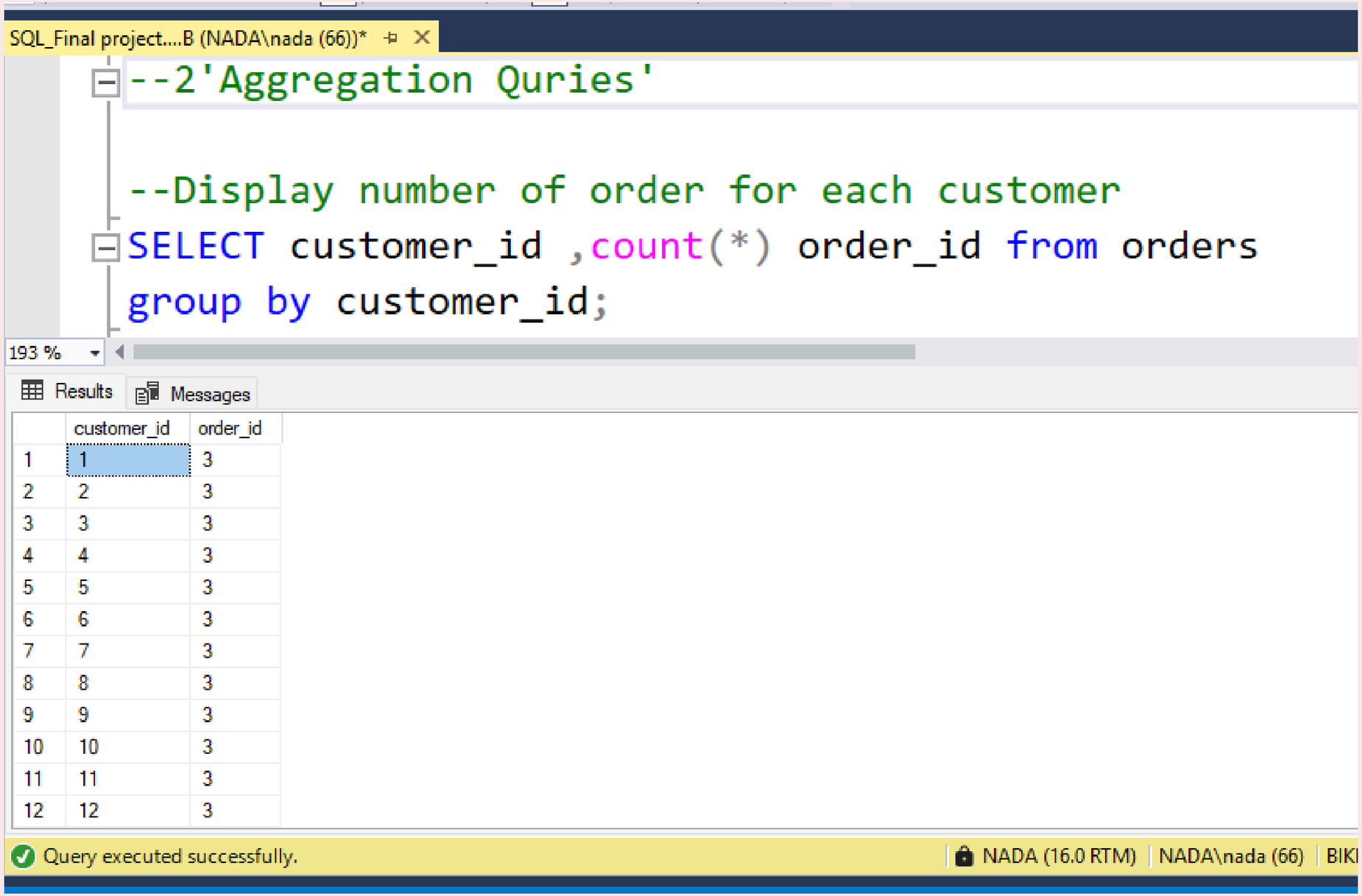


“Here we notice that in time between 2017 & 2019 there are 282 product with price < 5000 “

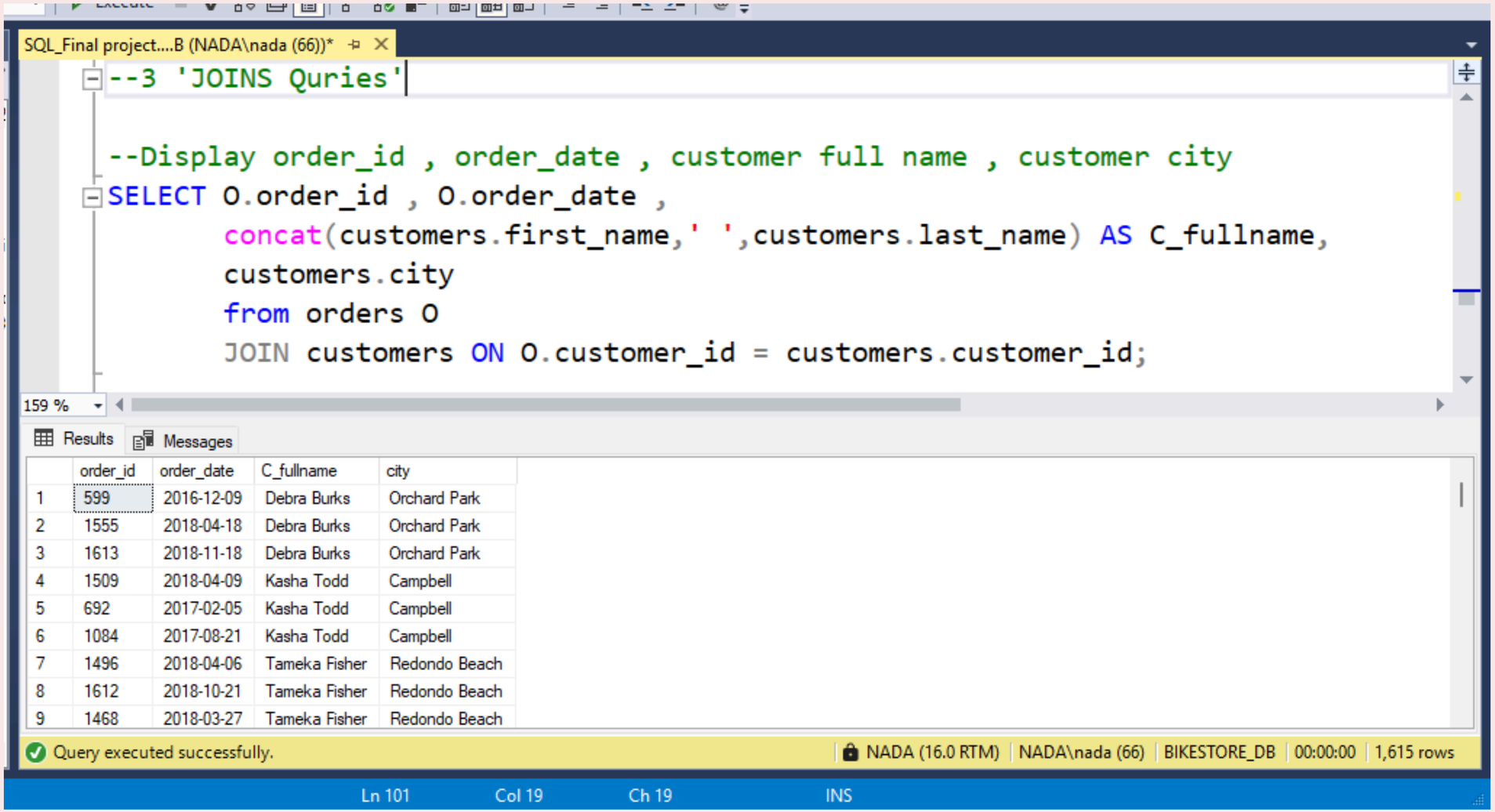


	product_id	product_name	brand_id	category_id	model_year	list_price
1	27	Surly Big Dummy Frameset - 2017	8	6	2017	999.989990234375
2	28	Surly Karate Monkey 27.5+ Frameset - 2017	8	6	2017	2499.98999023438
3	29	Trek X-Caliber 8 - 2017	9	6	2017	999.989990234375
4	30	Surly Ice Cream Truck Frameset - 2017	8	6	2017	999.989990234375
5	31	Surly Wednesday - 2017	8	6	2017	1632.98999023438
6	32	Trek Farley Alloy Frameset - 2017	9	6	2017	469.989990234375
7	33	Surly Wednesday Frameset - 2017	8	6	2017	469.989990234375
8	34	Trek Session DH 27.5 Carbon Frameset - 2017	9	6	2017	469.989990234375
9	35	Sun Bicycles Spider 3i - 2017	7	6	2017	832.989990234375
10	36	Surly Troll Frameset - 2017	8	6	2017	832.989990234375
11	37	Haro Flightline One ST - 2017	2	6	2017	379.989990234375
12	38	Haro Flightline Two 26 Plus - 2017	2	6	2017	549.989990234375
13	39	Trek Stache 5 - 2017	9	6	2017	1499.98999023438

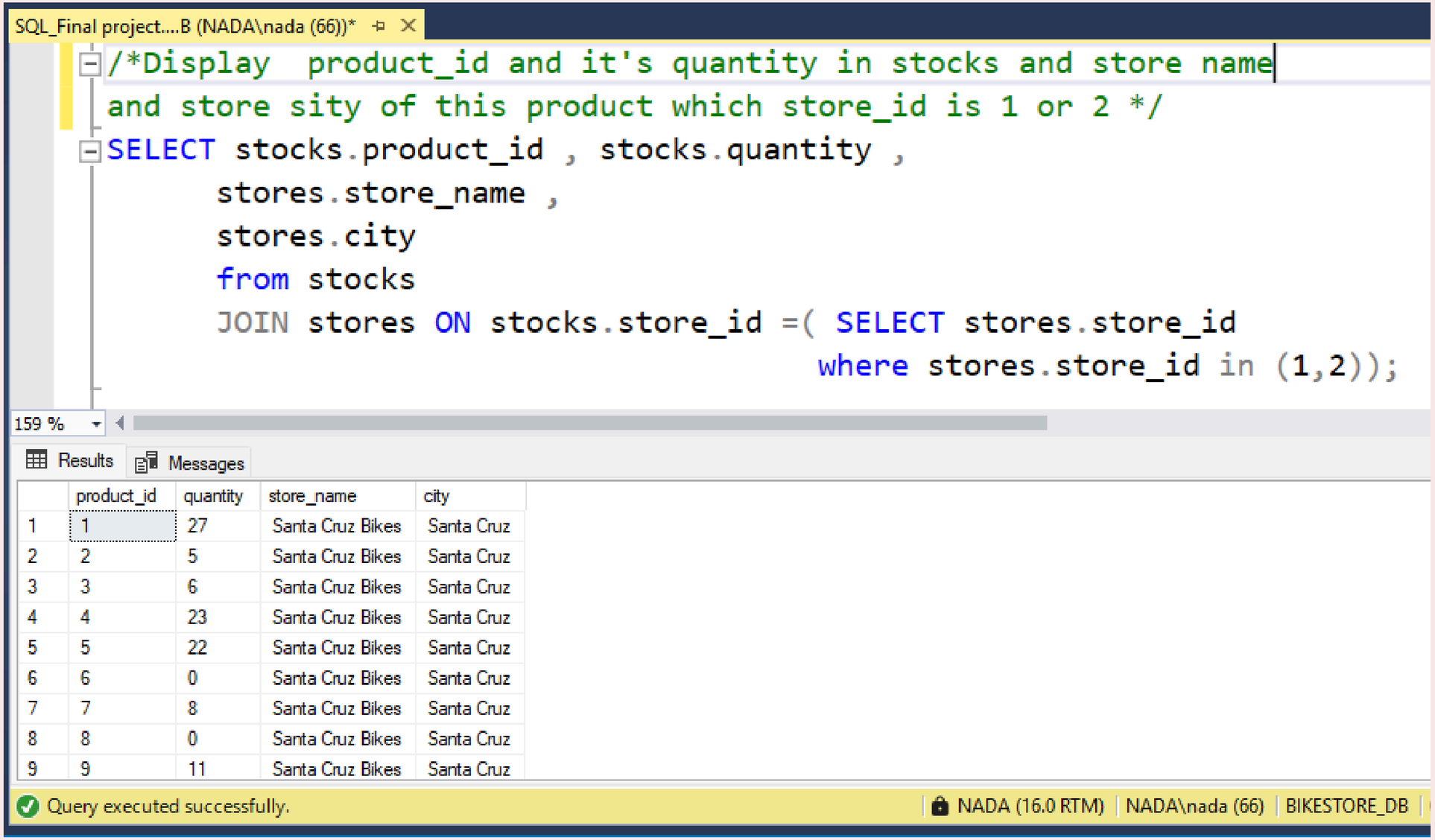
“this query display the number of orders which each customer makes”



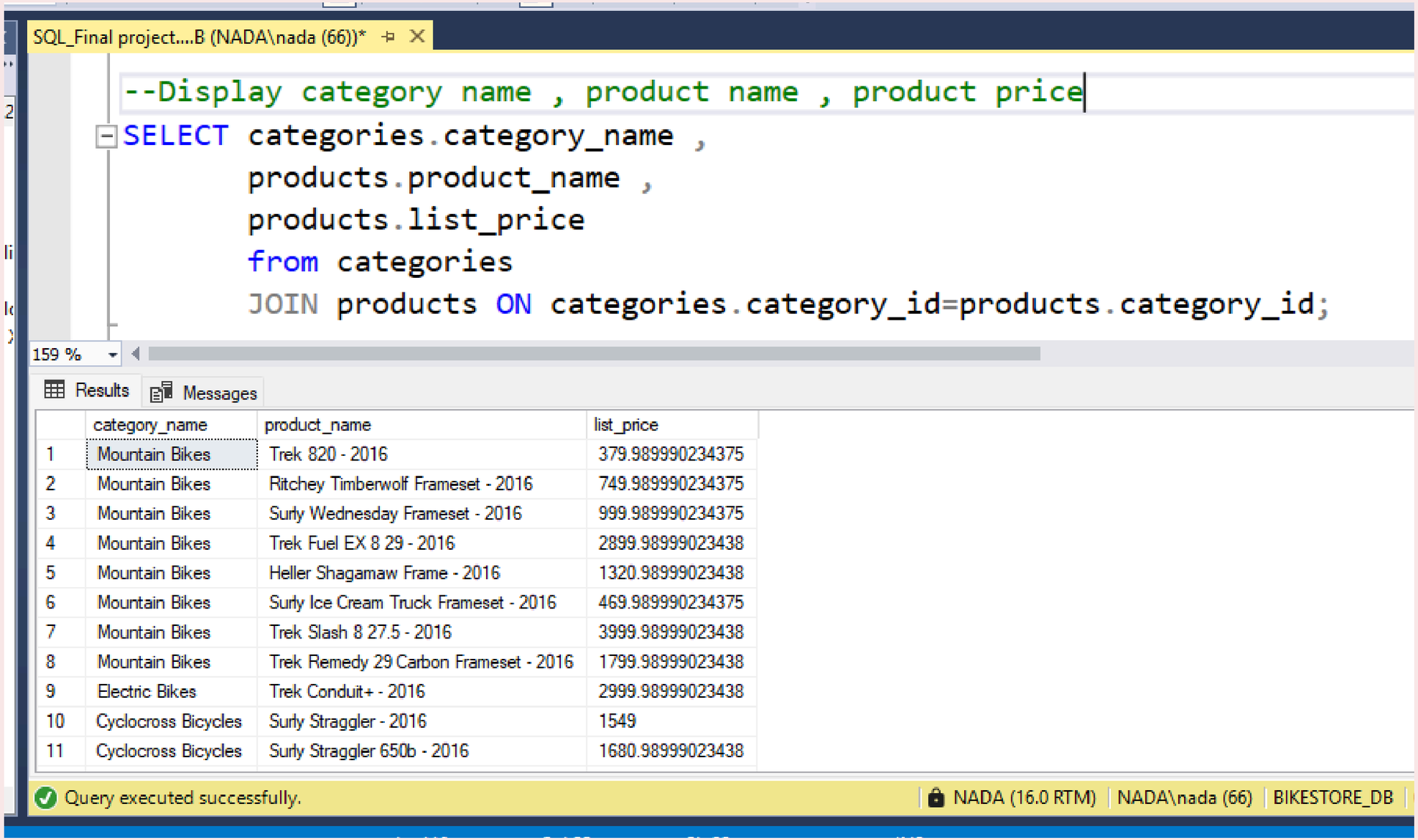
“These results display all customers names and cities with all orders ID and date they make”



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



“Here the results display each category name and the products of it (product _n and it’ price)”



	category_name	product_name	list_price
1	Mountain Bikes	Trek 820 - 2016	379.989990234375
2	Mountain Bikes	Ritchey Timberwolf Frameset - 2016	749.989990234375
3	Mountain Bikes	Surly Wednesday Frameset - 2016	999.989990234375
4	Mountain Bikes	Trek Fuel EX 8 29 - 2016	2899.98999023438
5	Mountain Bikes	Heller Shagamaw Frame - 2016	1320.98999023438
6	Mountain Bikes	Surly Ice Cream Truck Frameset - 2016	469.989990234375
7	Mountain Bikes	Trek Slash 8 27.5 - 2016	3999.98999023438
8	Mountain Bikes	Trek Remedy 29 Carbon Frameset - 2016	1799.98999023438
9	Electric Bikes	Trek Conduit+ - 2016	2999.98999023438
10	Cyclocross Bicycles	Surly Straggler - 2016	1549
11	Cyclocross Bicycles	Surly Straggler 650b - 2016	1680.98999023438

ANY QUESTION ?

THANK YOU