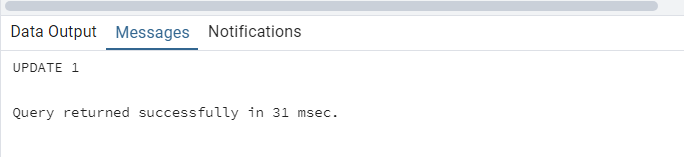
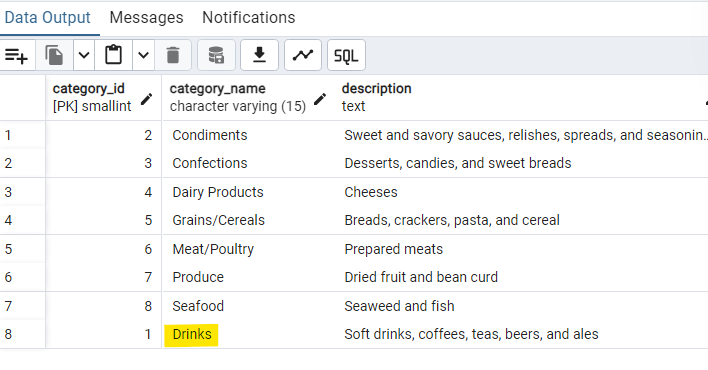
**Day 3**

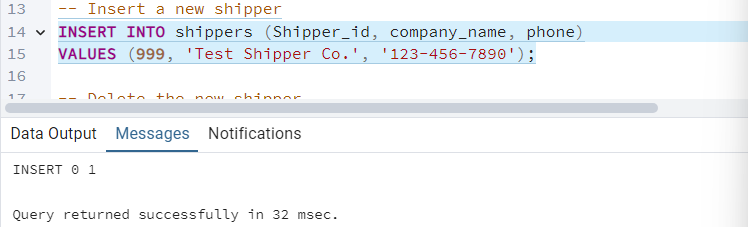
**USE Northwind from Kaggle:**

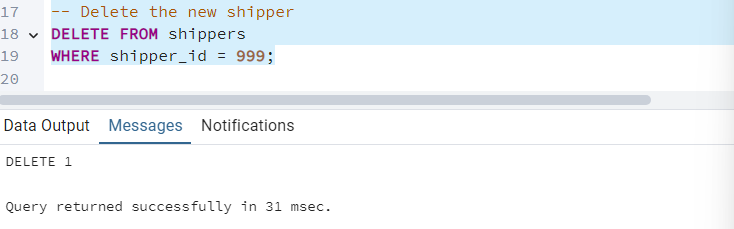
1. Update the categoryName From “Beverages” to "Drinks" in the categories table.





1. Insert into shipper new record (give any values) Delete that new record from shippers table.

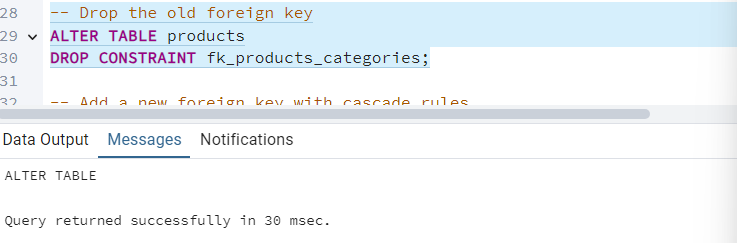


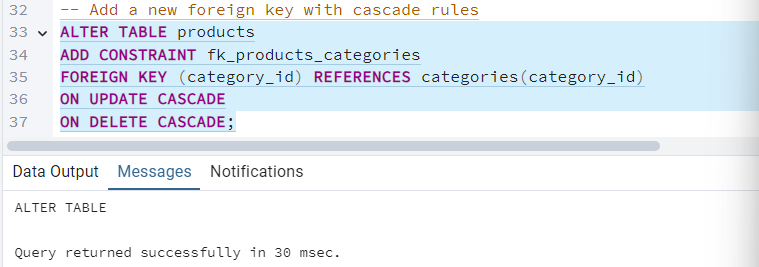


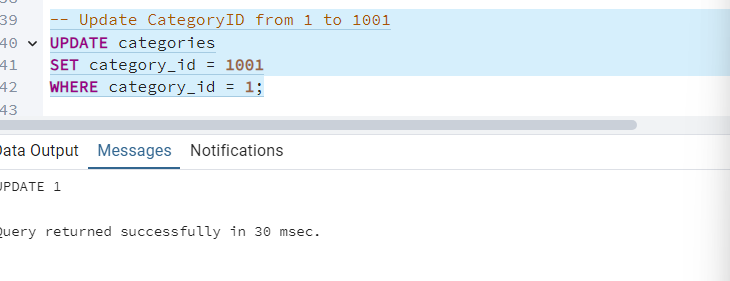
3)      Update categoryID=1 to categoryID=1001. Make sure related products update their categoryID too. Display the both category and products table to show the cascade.

 Delete the categoryID= “3”  from categories. Verify that the corresponding records are deleted automatically from products.

 (HINT: Alter the foreign key on products(categoryID) to add ON UPDATE CASCADE, ON DELETE CASCADE, add ON DELETE CASCADE for order\_details(productid) )





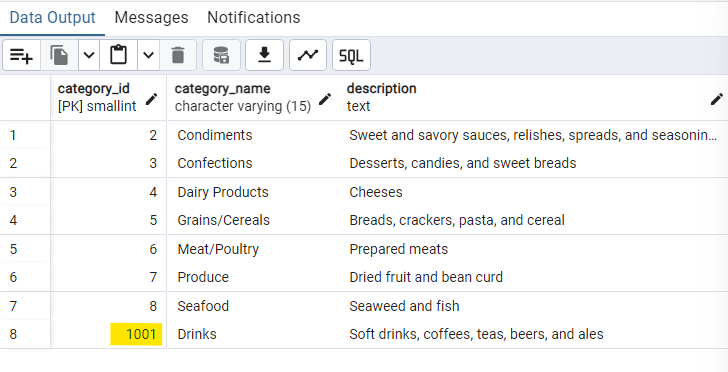


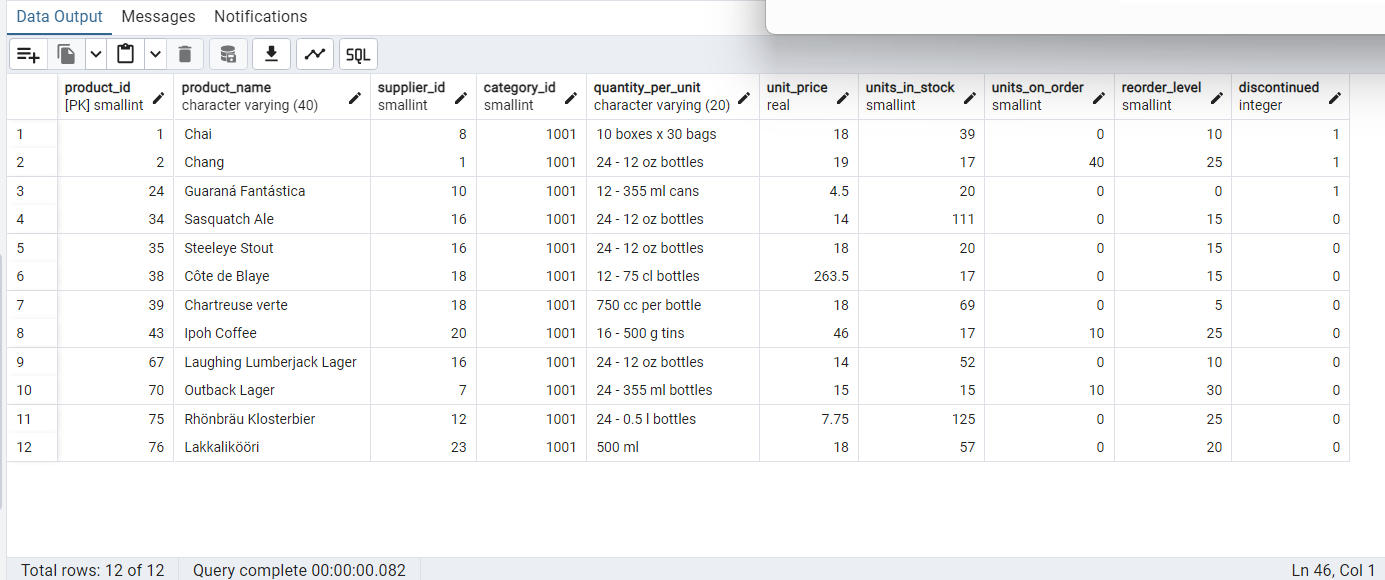
-- Display updated categories and products tables

SELECT \* FROM categories;

SELECT \* FROM products

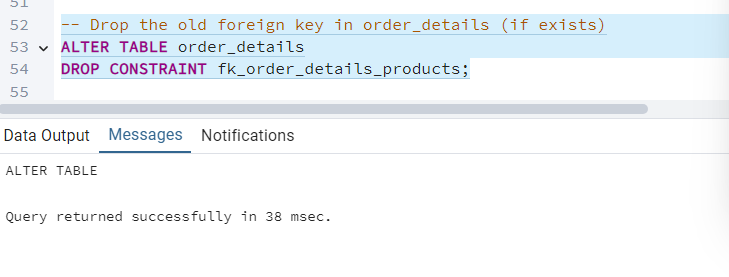
WHERE CategoryID = 1001;

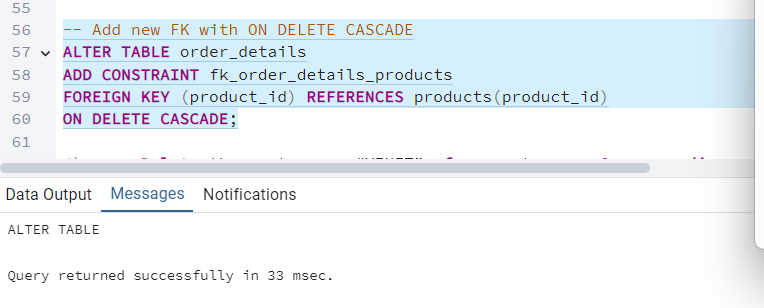


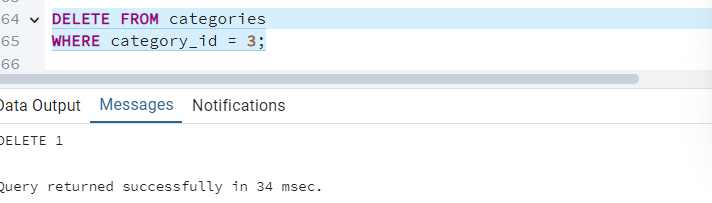


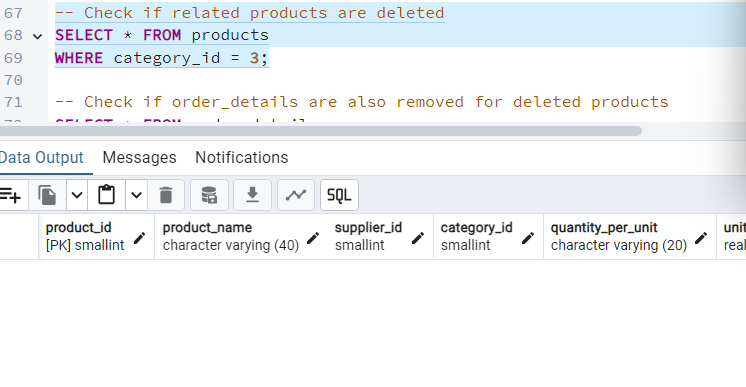
--Delete CategoryID = 3 and Show Cascade Effect

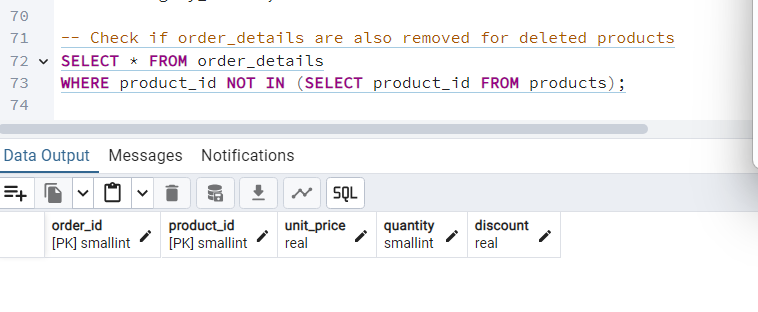
--First, make sure order\_details has ON DELETE CASCADE on ProductID:



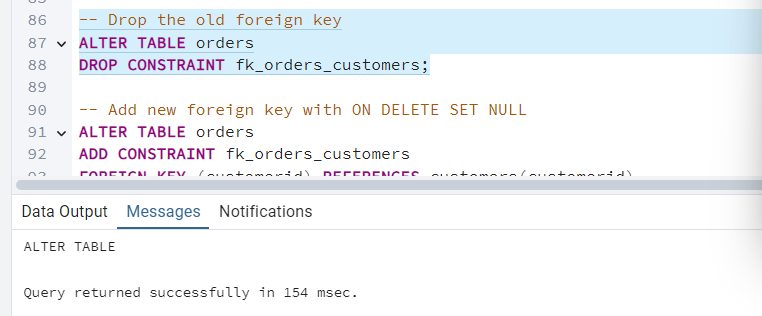


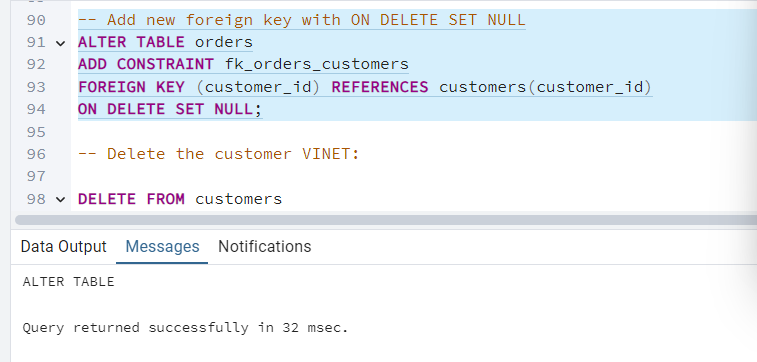


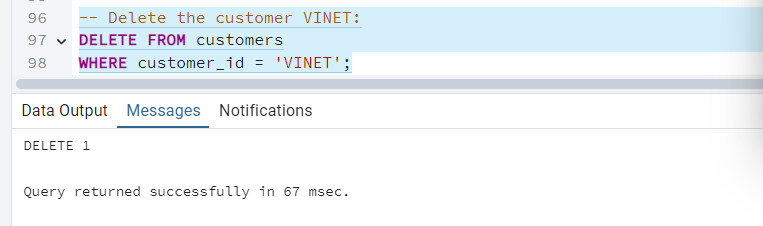


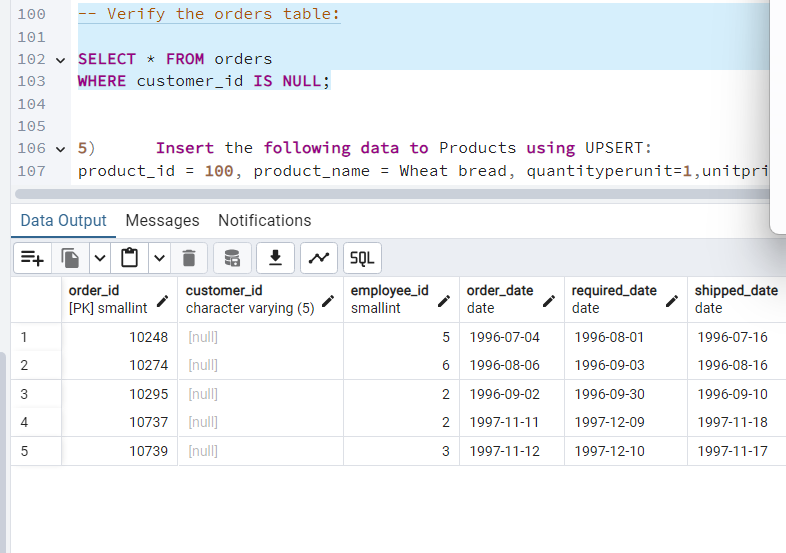


4)      Delete the customer = “VINET”  from customers. Corresponding customers in orders table should be set to null (HINT: Alter the foreign key on orders(customerID) to use ON DELETE SET NULL)









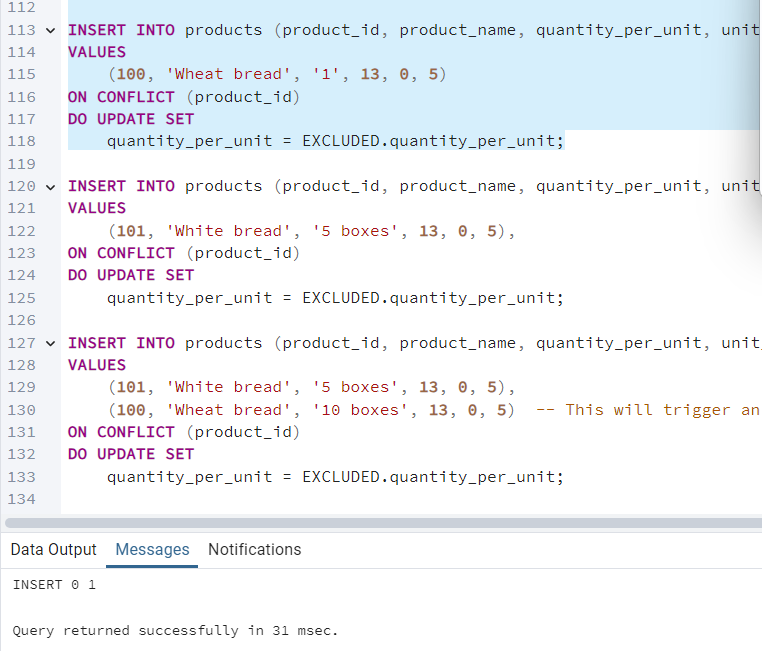
5)      Insert the following data to Products using UPSERT:

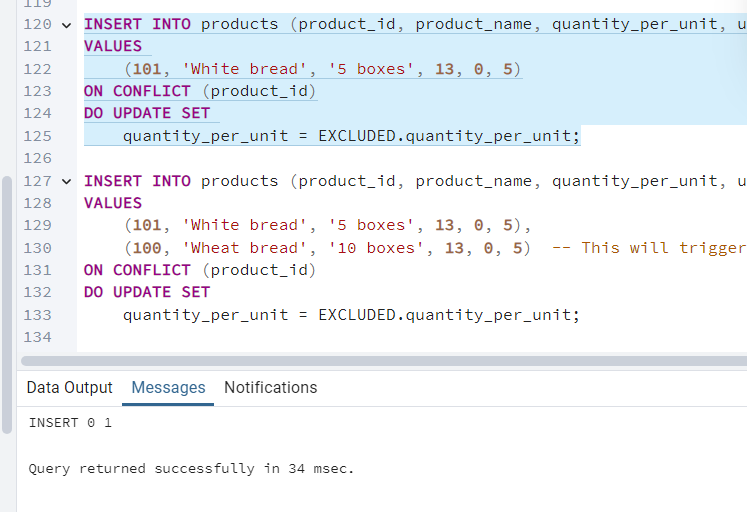
product\_id = 100, product\_name = Wheat bread, quantityperunit=1,unitprice = 13, discontinued = 0, categoryID=5

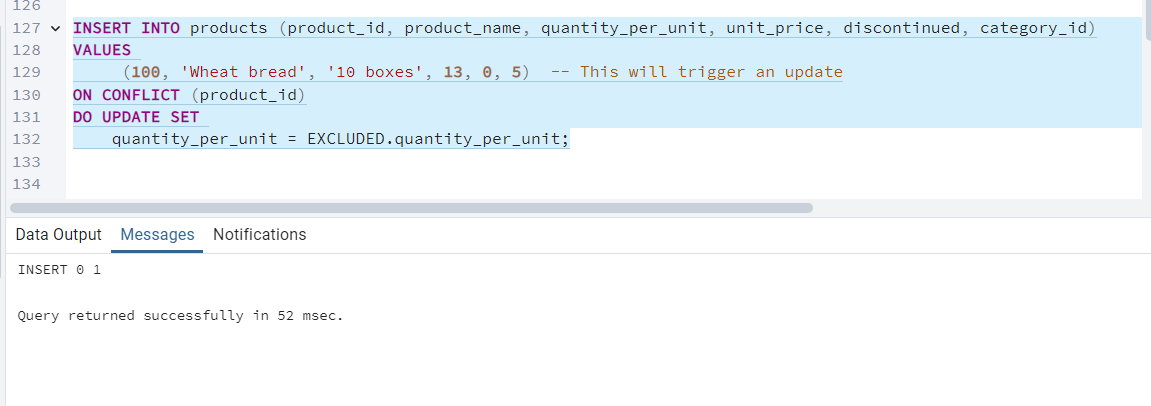
product\_id = 101, product\_name = White bread, quantityperunit=5 boxes,unitprice = 13, discontinued = 0, categoryID=5

product\_id = 100, product\_name = Wheat bread, quantityperunit=10 boxes,unitprice = 13, discontinued = 0, categoryID=5

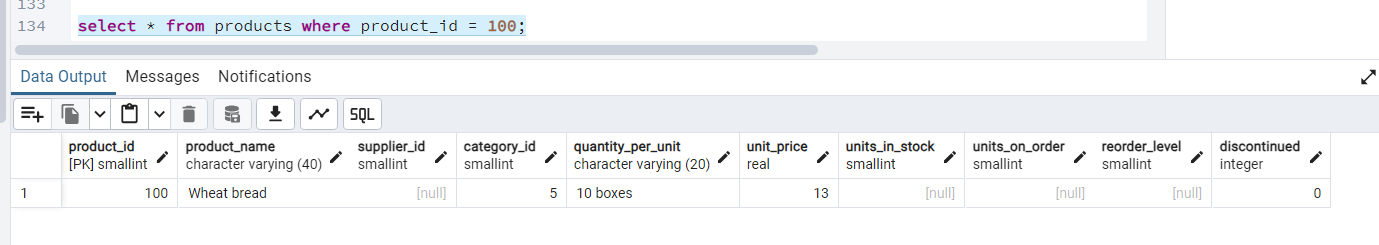
(this should update the quantityperunit for product\_id = 100)







--QUANTITYPERUNTI IS REASSIGNED TO 10 BOXES



6)      Write a **MERGE query**:

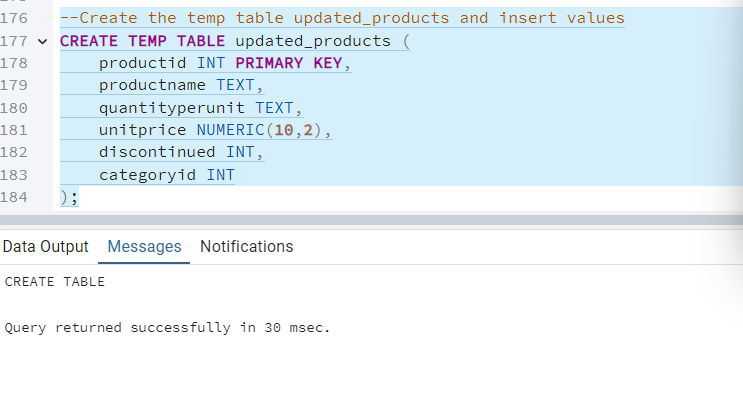
Create **temp table with name:**  ‘updated\_products’ and insert values as below:

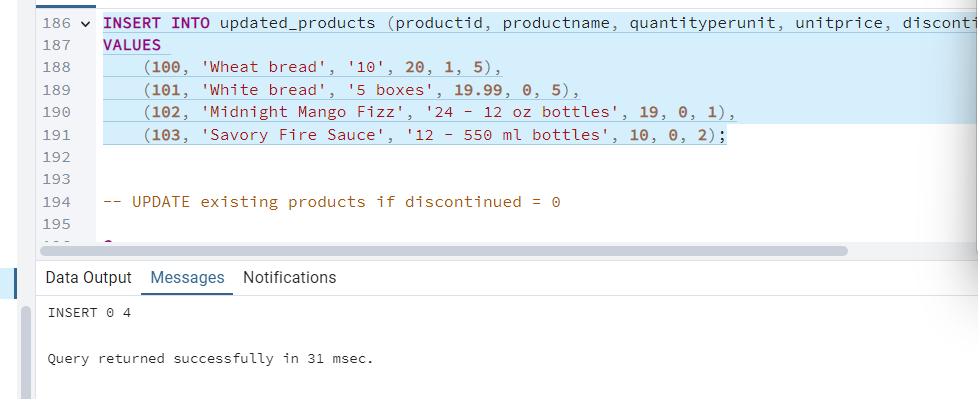
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| productID | productName | quantityPerUnit | unitPrice | discontinued | categoryID |
| 100 | Wheat bread | 10 | 20 | 1 | 5 |
| 101 | White bread | 5 boxes | 19.99 | 0 | 5 |
| 102 | Midnight Mango Fizz | 24 - 12 oz bottles | 19 | 0 | 1 |
| 103 | Savory Fire Sauce | 12 - 550 ml bottles | 10 | 0 | 2 |

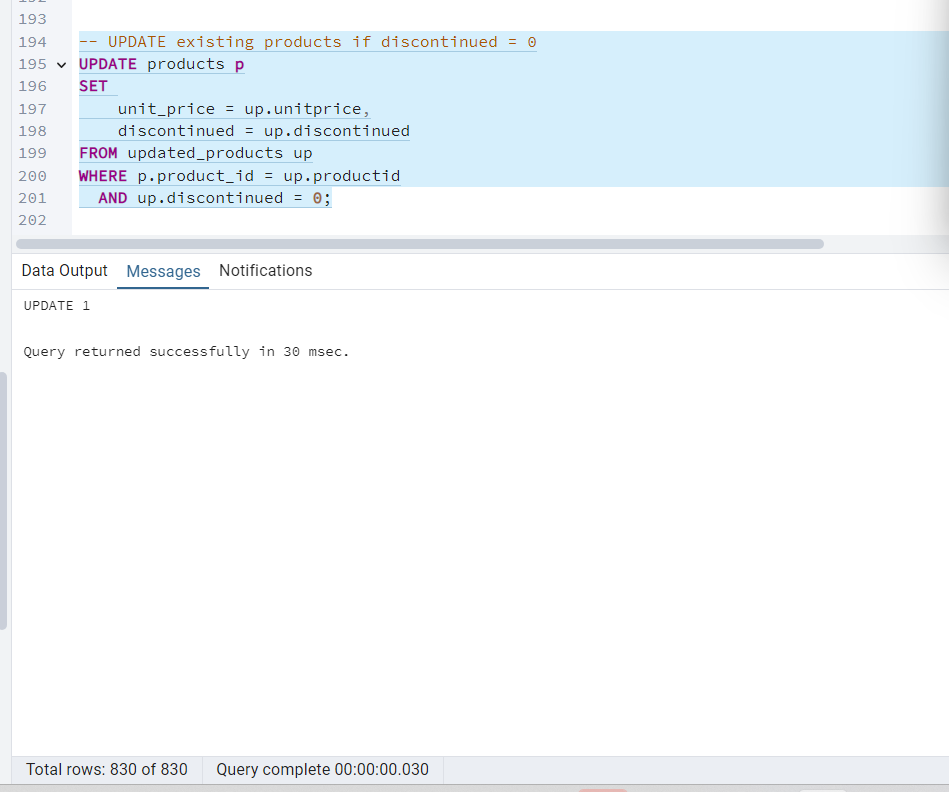
* Update the price and discontinued status for from below table ‘updated\_products’ only if there are matching products and updated\_products .discontinued =0

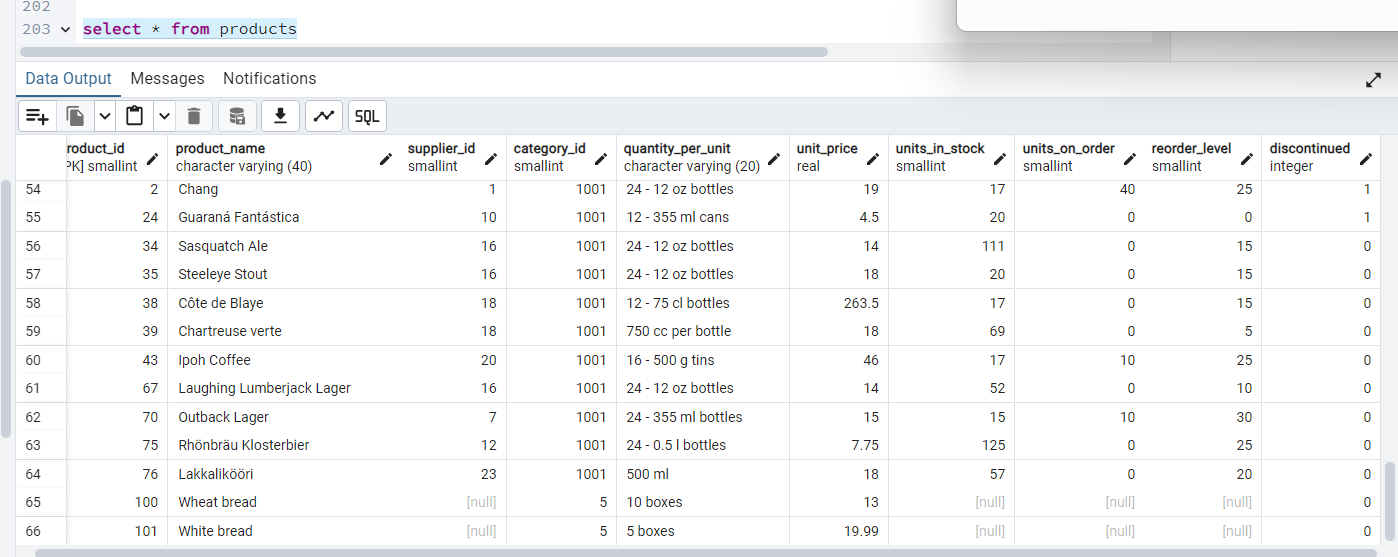
* If there are matching products and updated\_products .discontinued =1 then delete

* Insert any new products from updated\_products that don’t exist in products only if updated\_products .discontinued =0.









**USE NEW Northwind DB:**

7)      List all orders with employee full names. (Inner join)

