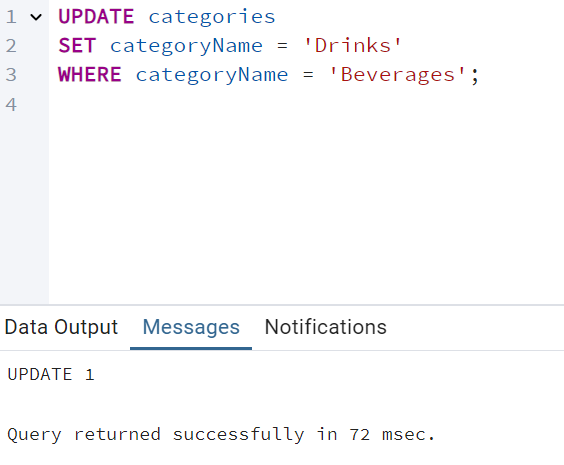
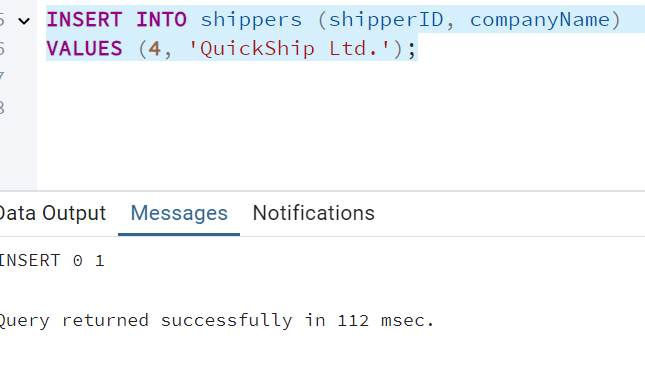
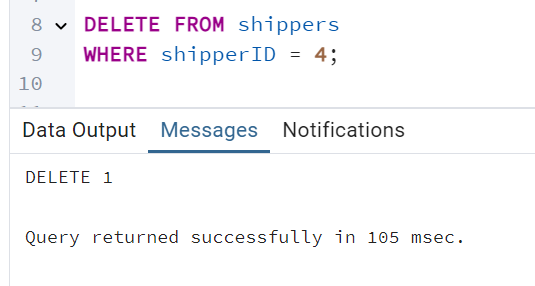
1. Update the categoryName From “Beverages” to "Drinks" in the categories table



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

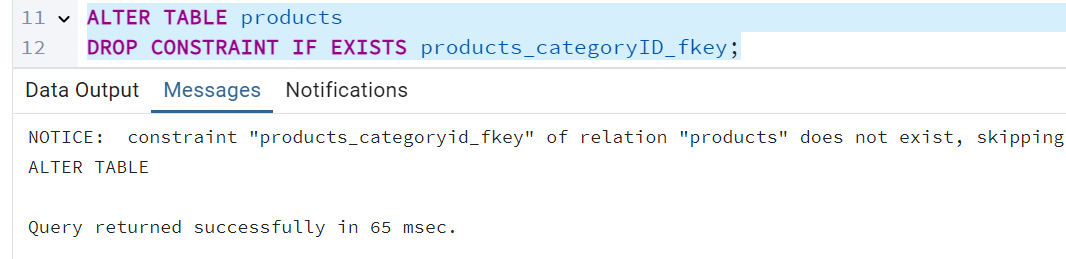




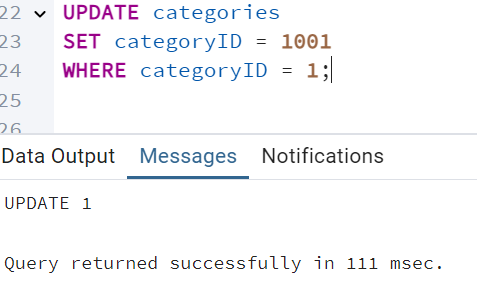
3) Update categoryID=1 to categoryID=1001. Make sure related products update their categoryID too. Display the both category and products table to show the cascade.

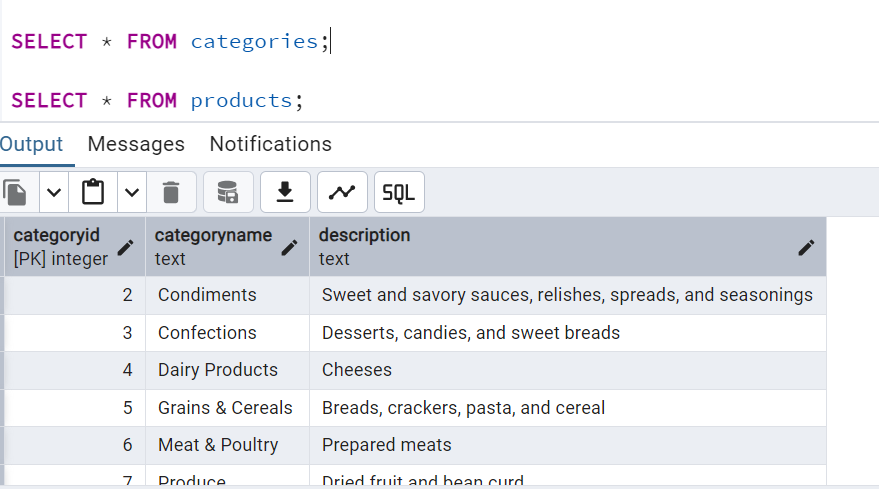
Delete the categoryID= “3” from categories. Verify that the corresponding records are deleted automatically from products.

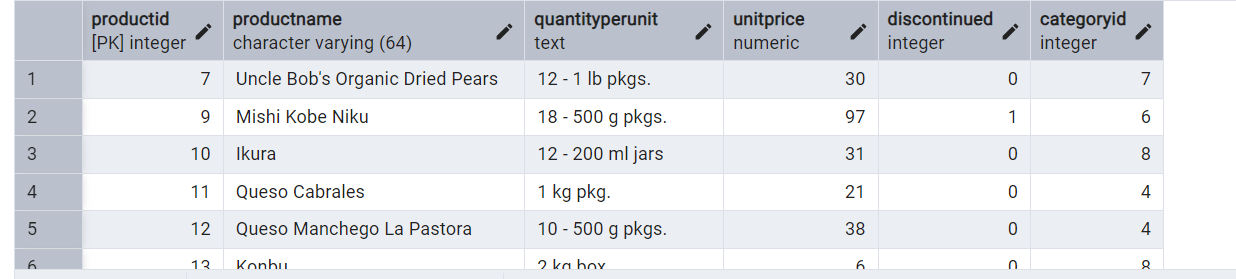
(HINT: Alter the foreign key on products(categoryID) to add ON UPDATE CASCADE, ON DELETE CASCADE)

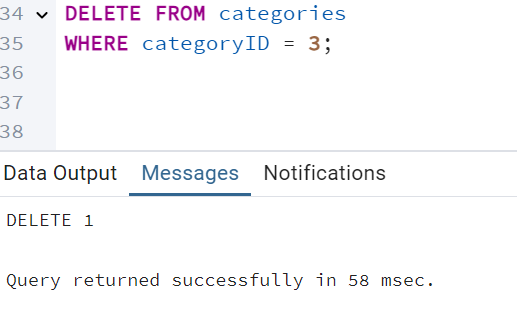


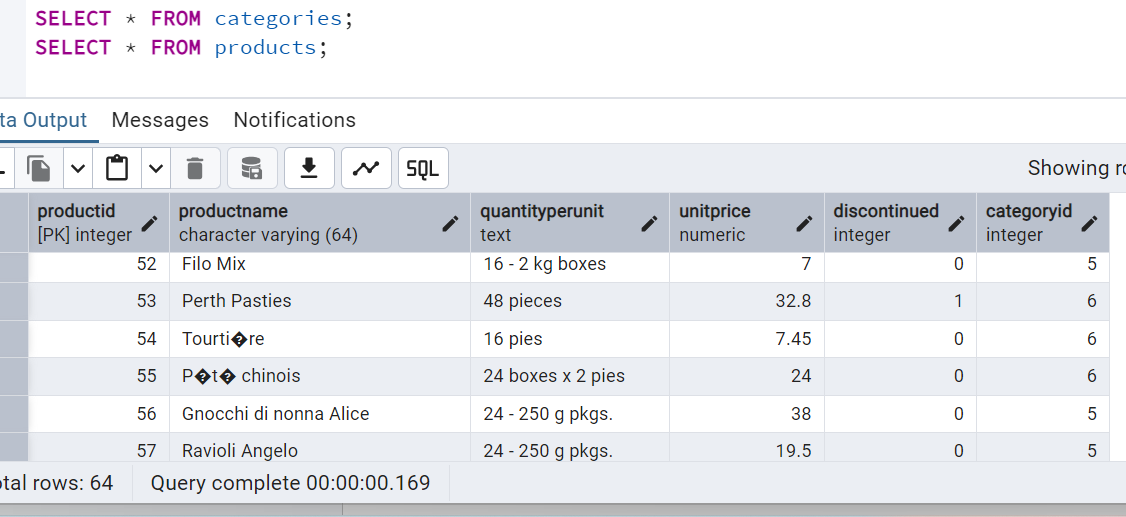




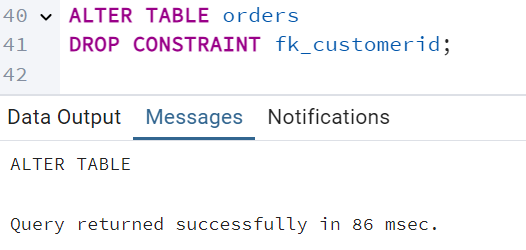


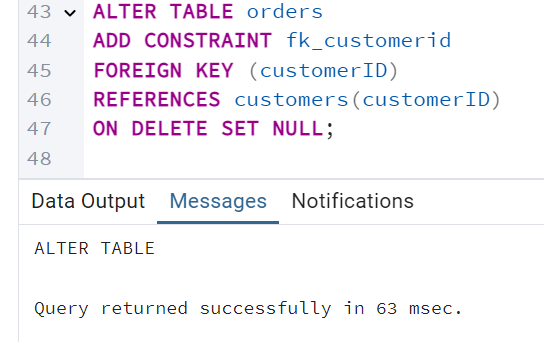


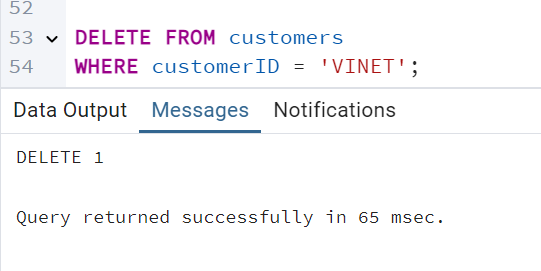




4) Delete the customer = “VINET” from customers. Corresponding customers in orders table should be set to null (HINT: Alter the foreign key on orders(customerID) to use ON DELETE SET NULL)







5) Insert the following data to Products using UPSERT:

product\_id = 100, product\_name = Wheat bread, quantityperunit=1,unitprice = 13, discontinued = 0, categoryID=3

product\_id = 101, product\_name = White bread, quantityperunit=5 boxes,unitprice = 13, discontinued = 0, categoryID=3

product\_id = 100, product\_name = Wheat bread, quantityperunit=10 boxes,unitprice = 13, discontinued = 0, categoryID=3

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



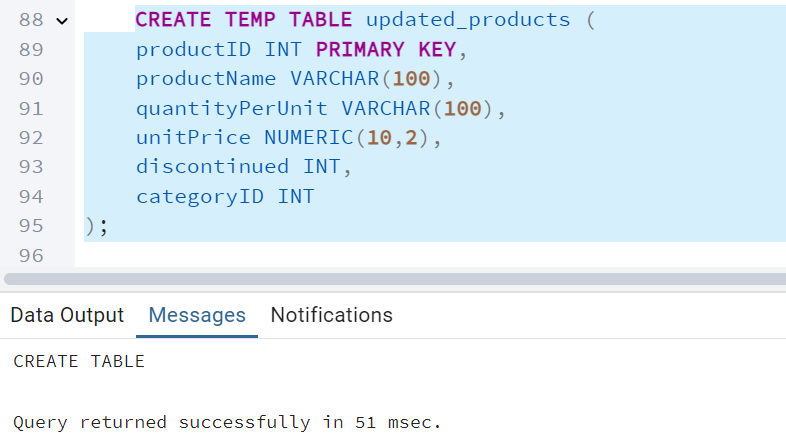
6) Write a **MERGE query**:

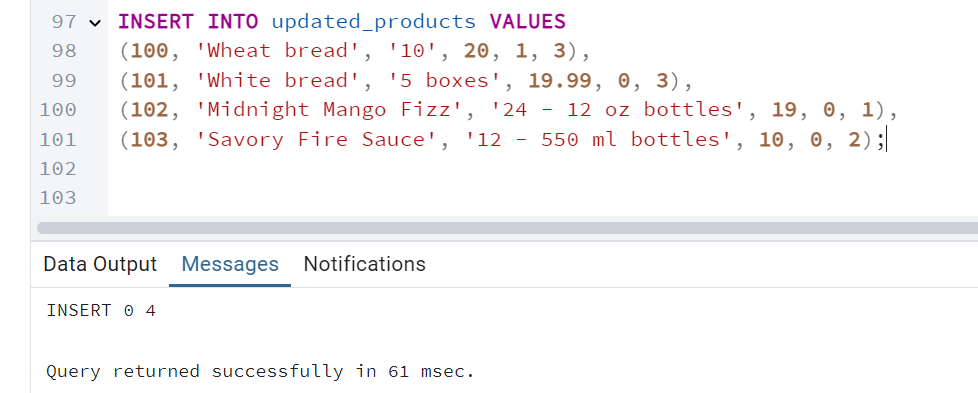
Create **temp table with name:**  ‘updated\_products’ and insert values as below:

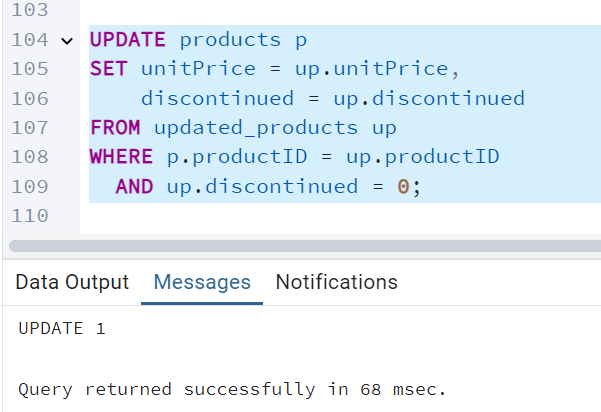
| productID | productName | quantityPerUnit | unitPrice | discontinued | categoryID |
| --- | --- | --- | --- | --- | --- |
| 100 | Wheat bread | 10 | 20 | 1 | 3 |
| 101 | White bread | 5 boxes | 19.99 | 0 | 3 |
| 102 | Midnight Mango Fizz | 24 - 12 oz bottles | 19 | 0 | 1 |
| 103 | Savory Fire Sauce | 12 - 550 ml bottles | 10 | 0 | 2 |

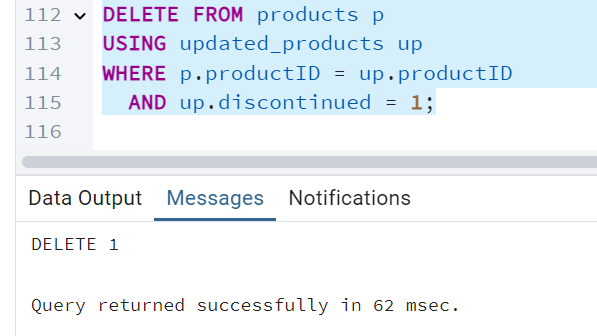
* Update the price and discontinued status for from below table ‘updated\_products’ only if there are matching products and updated\_products .discontinued =0
* If there are matching products and updated\_products .discontinued =1 then delete

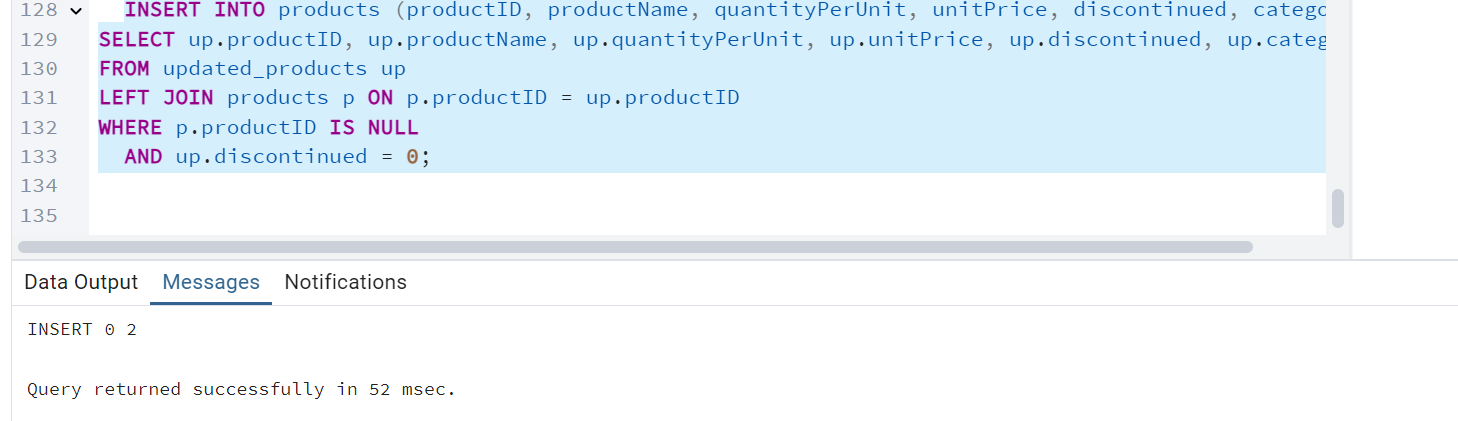
* Insert any new products from updated\_products that don’t exist in products only if updated\_products .discontinued =0.











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

