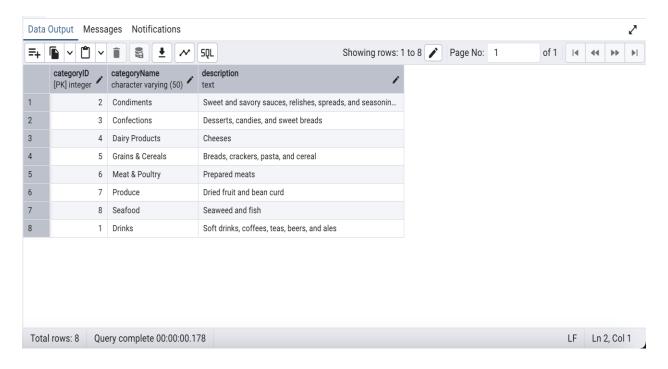
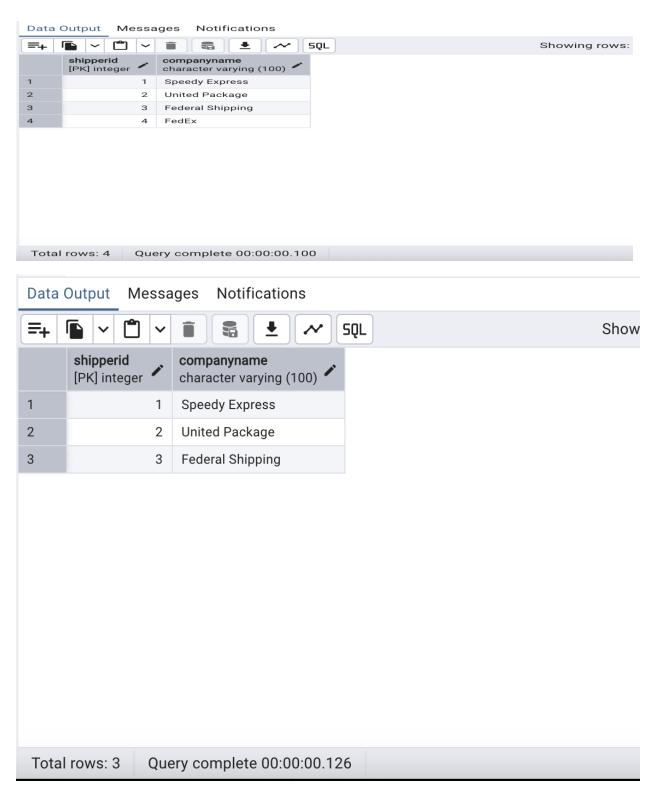
1) Update the categoryName From "Beverages" to "Drinks" in the categories table.



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 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.

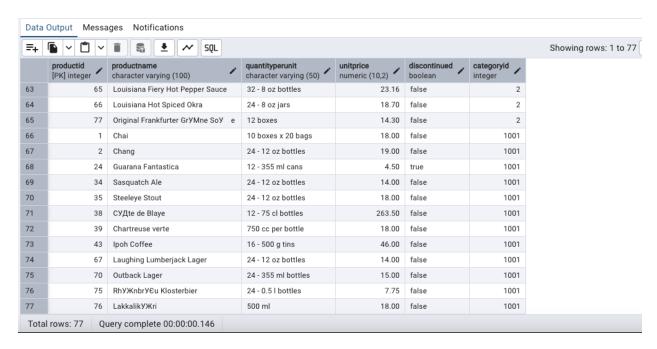
(HINT: Alter the foreign key on products(categoryID) to add ON UPDATE CASCADE, ON DELETE CASCADE, add ON DELETE CASCADE for order_details(productid))

CATEGORIES TABLE AFTER "ON UPDATE CASCADE"

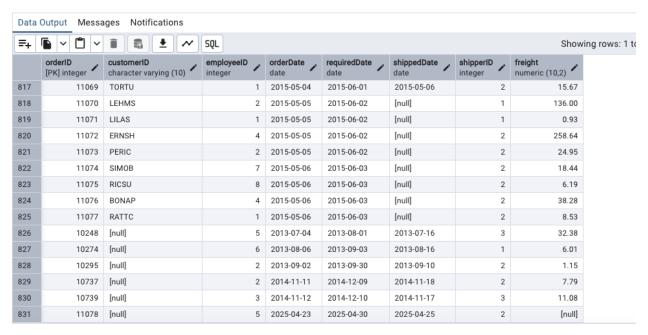
Data (Output Messa	iges Notifications	
=+			SQL
	categoryID [PK] integer	categoryName character varying (50)	description text
1	2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonin
2	3	Confections	Desserts, candies, and sweet breads
3	4	Dairy Products	Cheeses
4	5	Grains & Cereals	Breads, crackers, pasta, and cereal
5	6	Meat & Poultry	Prepared meats
6	7	Produce	Dried fruit and bean curd
7	8	Seafood	Seaweed and fish
8	1001	Drinks	Soft drinks, coffees, teas, beers, and ales

Total rows: 8 Query complete 00:00:00.111

PRODUCTS TABLE AFTER "ON UPDATE 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=5

product_id = 101, product_name = White bread, quantityperunit=5 boxes,unitprice = 13, discontinued = 0, categoryID=5

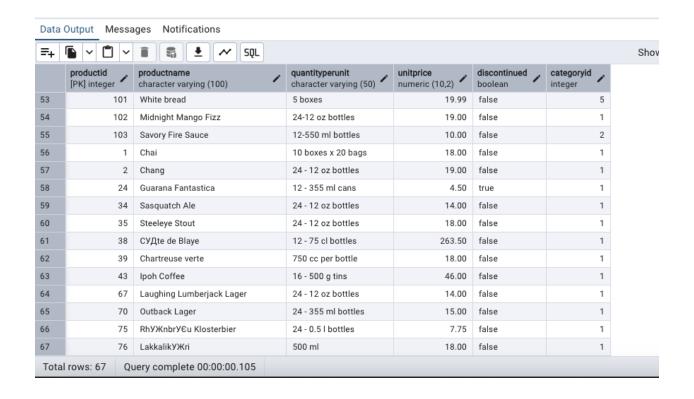
product_id = 100, product_name = Wheat bread, quantityperunit=10 boxes,unitprice = 13, discontinued = 0, categoryID=5

(this should update the quantityperunit for product_id = 100)

Data	Output Messa	ges Notifications					
=+		■ 🕹 🕶 SQL					
	productid [PK] integer	productname character varying (100)	•	quantityperunit character varying (50)	unitprice numeric (10,2)	discontinued /	categoryid integer
52	77	Original Frankfurter GrУMne SoУ	е	12 boxes	14.30	false	2
53	1	Chai		10 boxes x 20 bags	18.00	false	1001
54	2	Chang		24 - 12 oz bottles	19.00	false	1001
55	24	Guarana Fantastica		12 - 355 ml cans	4.50	true	1001
56	34	Sasquatch Ale		24 - 12 oz bottles	14.00	false	1001
57	35	Steeleye Stout		24 - 12 oz bottles	18.00	false	1001
58	38	СУДte de Blaye		12 - 75 cl bottles	263.50	false	1001
59	39	Chartreuse verte		750 cc per bottle	18.00	false	1001
60	43	Ipoh Coffee		16 - 500 g tins	46.00	false	1001
61	67	Laughing Lumberjack Lager		24 - 12 oz bottles	14.00	false	1001
62	70	Outback Lager		24 - 355 ml bottles	15.00	false	1001
63	75	RhУЖnbrУ€u Klosterbier		24 - 0.5 I bottles	7.75	false	1001
64	76	LakkalikУЖri		500 ml	18.00	false	1001
65	101	White bread		5 boxes	13.00	false	5
66	100	Wheat bread		10 boxes	13.00	false	5

Data Output Messages Notifications
MERGE 4
Query returned successfully in 84 msec.

Total rows: 7 Query complete 00:00:00.084



Data	Output Messa	iges Notifications				
=+	ଢ ∨ 🖺 ∨	■ 🔩 🛨 🖊 SQL				
	productid [PK] integer	productname character varying (100)	quantityperunit character varying (50)	unitprice numeric (10,2)	discontinued boolean	categoryid /
53	101	White bread	5 boxes	19.99	false	5
54	102	Midnight Mango Fizz	24-12 oz bottles	19.00	false	1
55	103 Savory Fire Sauce		12-550 ml bottles	10.00	false	2
56	1	Chai	10 boxes x 20 bags	18.00	false	1
57	2	Chang	24 - 12 oz bottles	19.00	false	1
58	24	Guarana Fantastica	12 - 355 ml cans	4.50	true	1
59	34	Sasquatch Ale	24 - 12 oz bottles	14.00	false	1
60	35	Steeleye Stout	24 - 12 oz bottles	18.00	false	1
61	38	СУДte de Blaye	12 - 75 cl bottles	263.50	false	1
62	39	Chartreuse verte	750 cc per bottle	18.00	false	1
63	43	Ipoh Coffee	16 - 500 g tins	46.00	false	1
64	67	Laughing Lumberjack Lager	24 - 12 oz bottles	14.00	false	1
65	70 Outback Lager		24 - 355 ml bottles	15.00	false	1
66	75	RhУЖnbrУЄu Klosterbier	24 - 0.5 I bottles	7.75	false	1
67	76	LakkalikYЖri	500 ml	18.00	false	1