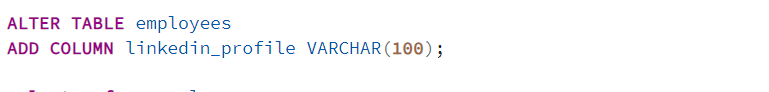
**DAY2**

1)      Alter Table:

* Add a new column linkedin\_profile to employees table to store LinkedIn URLs as varchar.



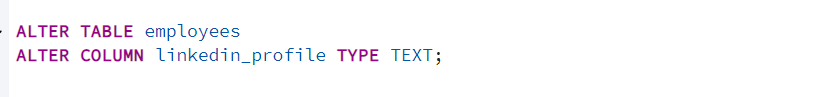
A white background with black dots

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

* Change the linkedin\_profile column data type from VARCHAR to TEXT.



A white rectangular object with a black border

AI-generated content may be incorrect.

* Add unique, not null constraint to linkedin\_profile

A screen shot of a computer code

AI-generated content may be incorrect.

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AI-generated content may be incorrect.

A white rectangular object with a black border

AI-generated content may be incorrect.

* Drop column linkedin\_profile

A close-up of a white background

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2)      Querying (Select)

* Retrieve the first name, last name, and title of all employees

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* Find all unique unit prices of products

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* List all customers sorted by company name in ascending order

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* Display product name and unit price, but rename the unit\_price column as price\_in\_usd

A screenshot of a computer

AI-generated content may be incorrect.

3)      Filtering

* Get all customers from Germany.

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AI-generated content may be incorrect.

* Find all customers from France or Spain

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* Retrieve all orders placed in 2014 (based on order\_date), and either have freight greater than 50 or the shipped date available (i.e., non-NULL)  (Hint: EXTRACT(YEAR FROM order\_date))

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AI-generated content may be incorrect.

4)      Filtering

* Retrieve the product\_id, product\_name, and unit\_price of products where the unit\_price is greater than 15.

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* List all employees who are located in the USA and have the title "Sales Representative".

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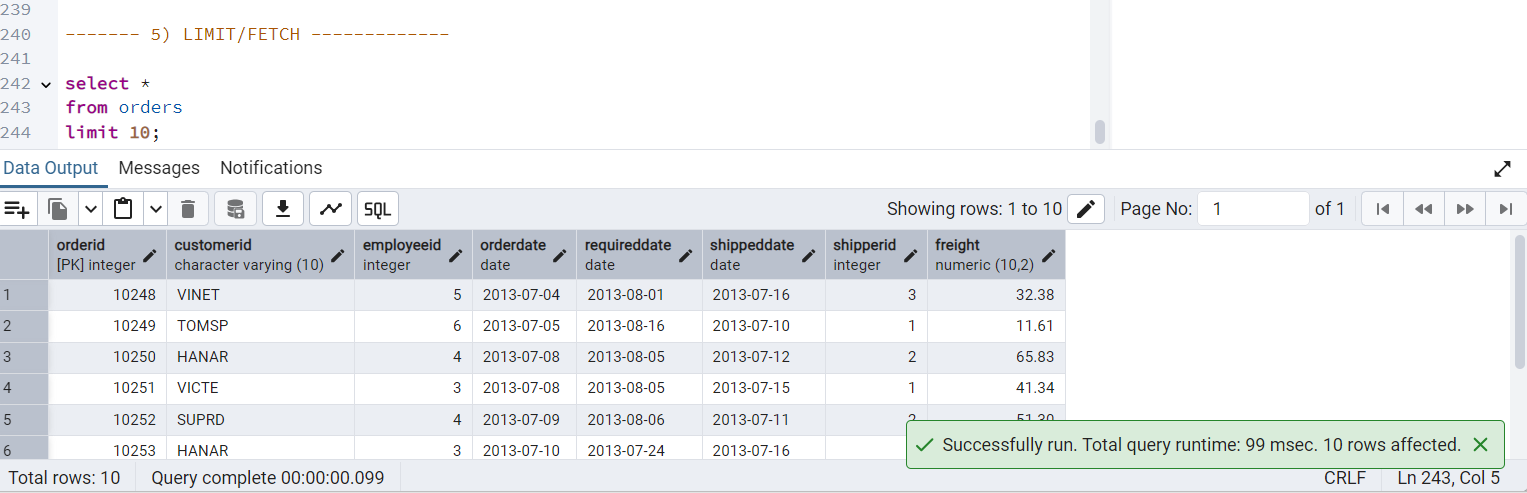
* Retrieve all products that are not discontinued and priced greater than 30.

A screenshot of a computer

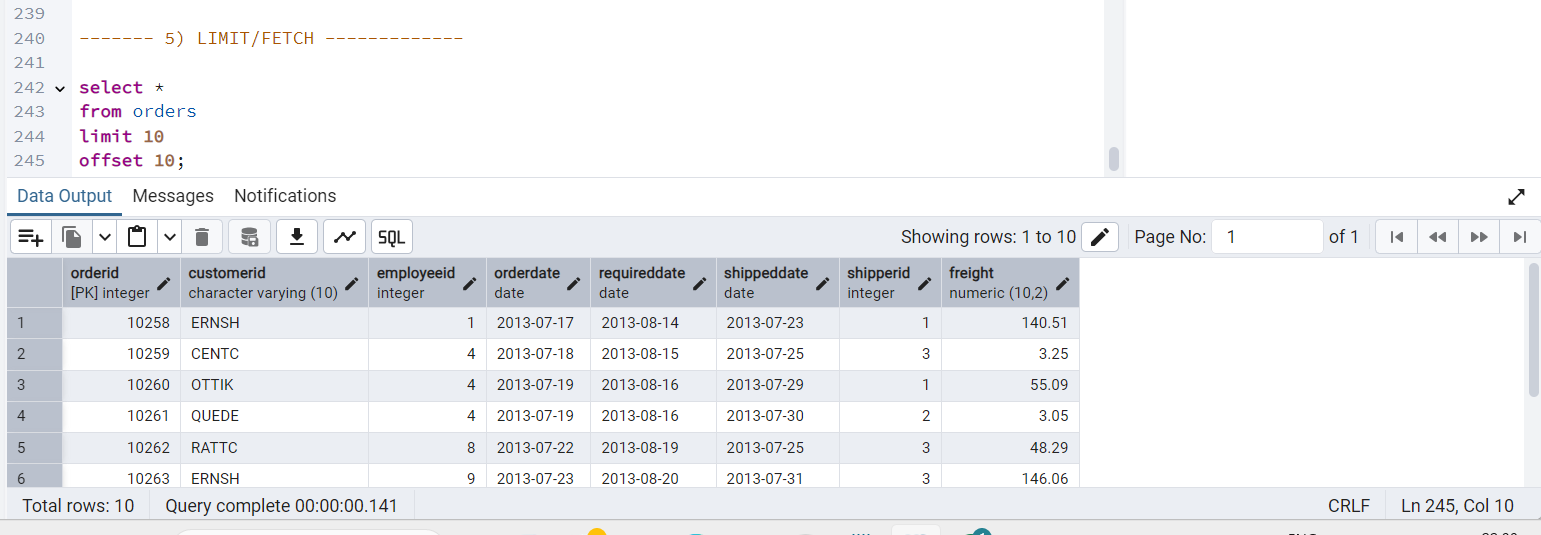
AI-generated content may be incorrect.

5)      LIMIT/FETCH

* Retrieve the first 10 orders from the orders table.

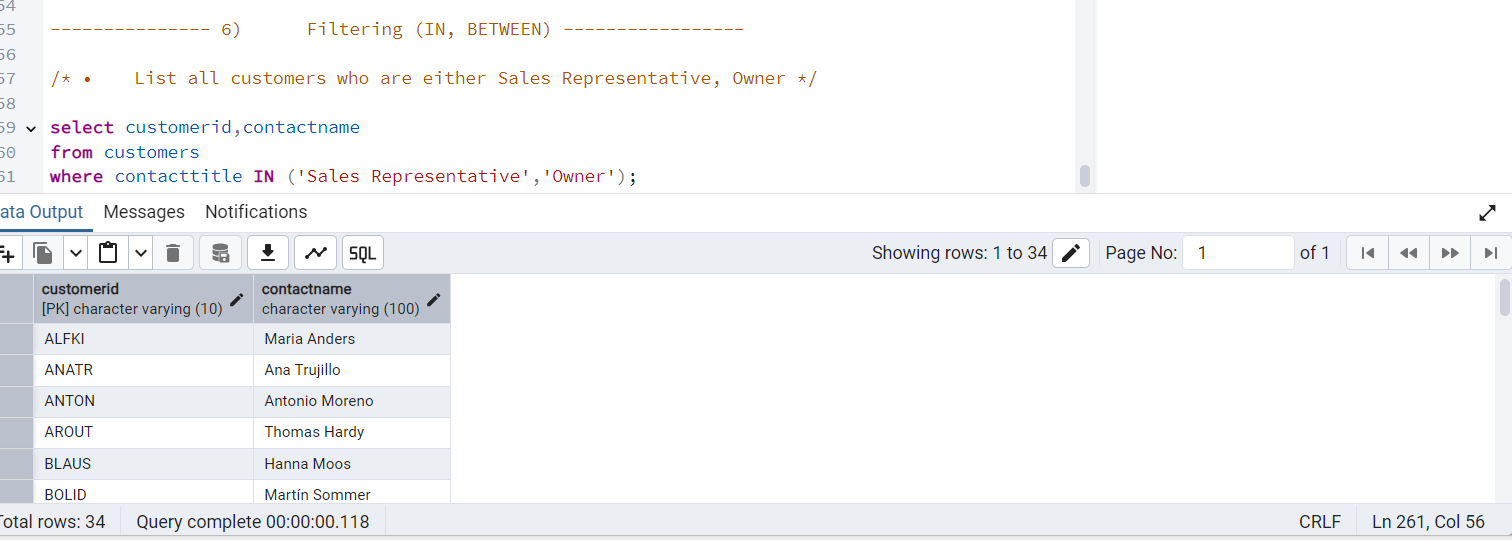


* Retrieve orders starting from the 11th order, fetching 10 rows (i.e., fetch rows 11-20).

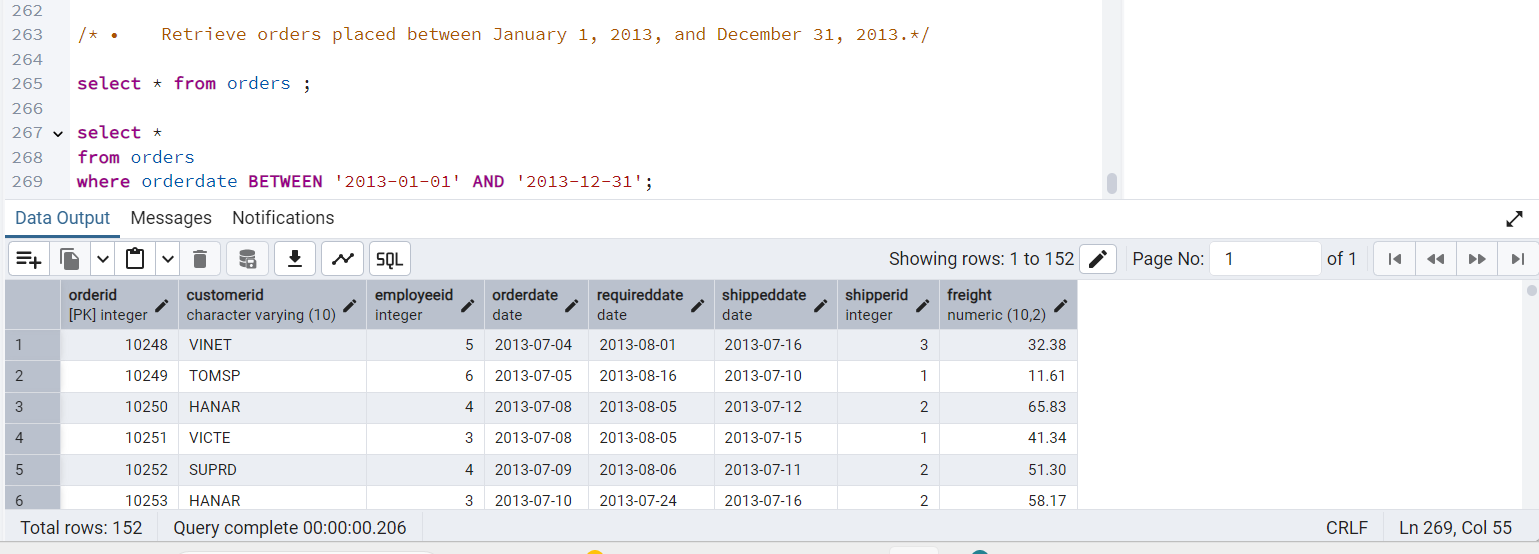


6)      Filtering (IN, BETWEEN)

* List all customers who are either Sales Representative, Owner

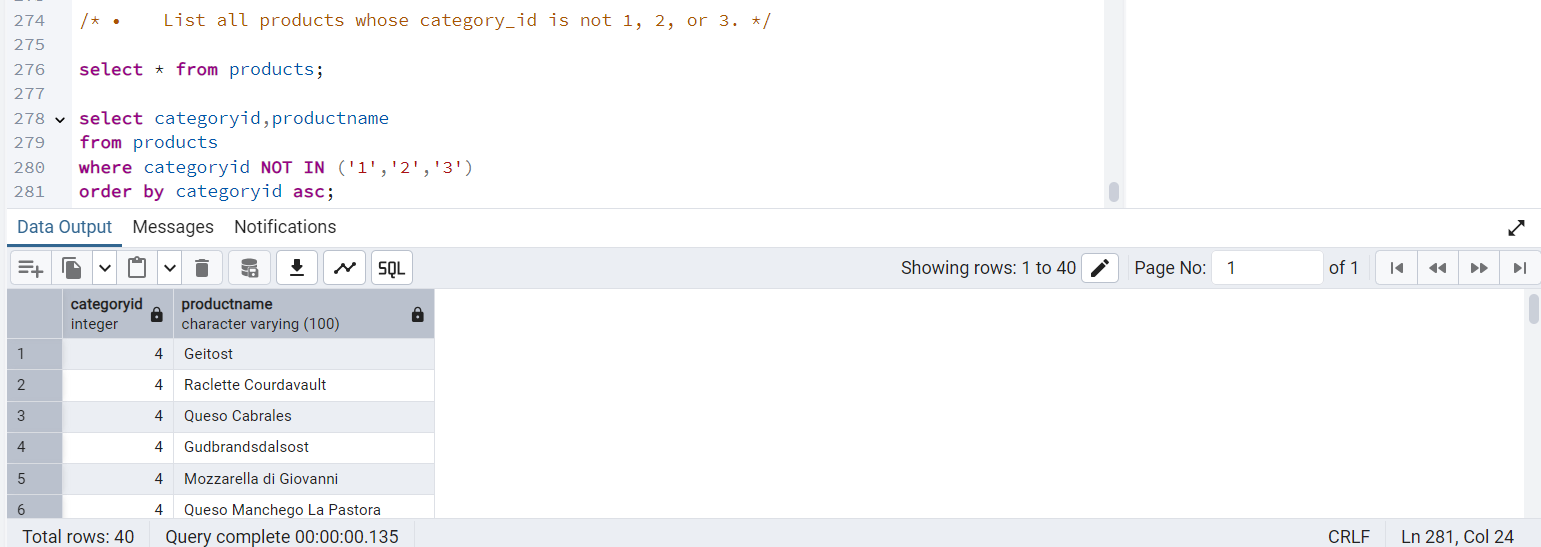


* Retrieve orders placed between January 1, 2013, and December 31, 2013.

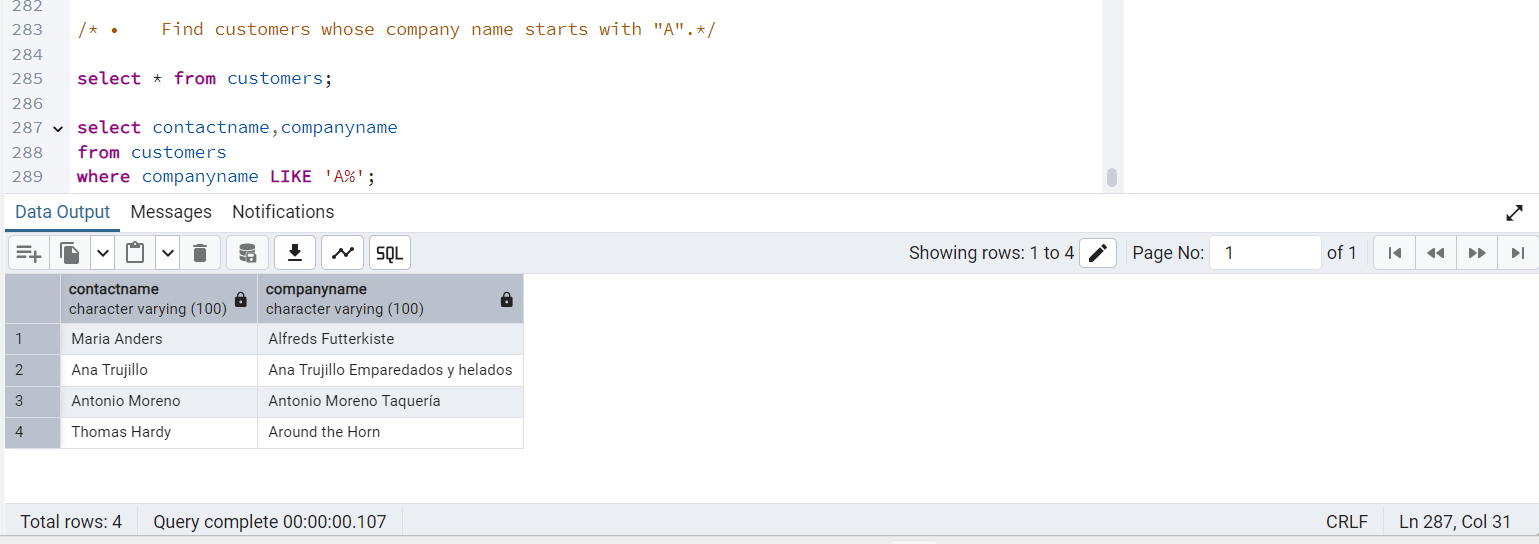


7)      Filtering

* List all products whose category\_id is not 1, 2, or 3.



* Find customers whose company name starts with "A".



8)       INSERT into orders table:

 Task: Add a new order to the orders table with the following details:

Order ID: 11078

Customer ID: ALFKI

Employee ID: 5

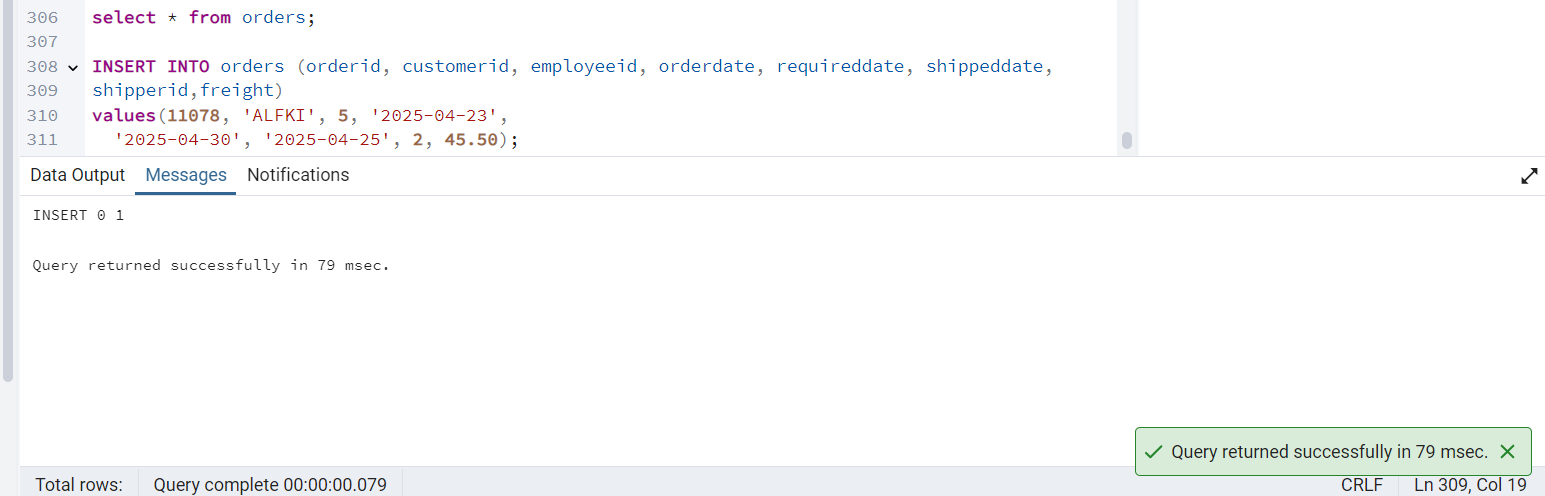
Order Date: 2025-04-23

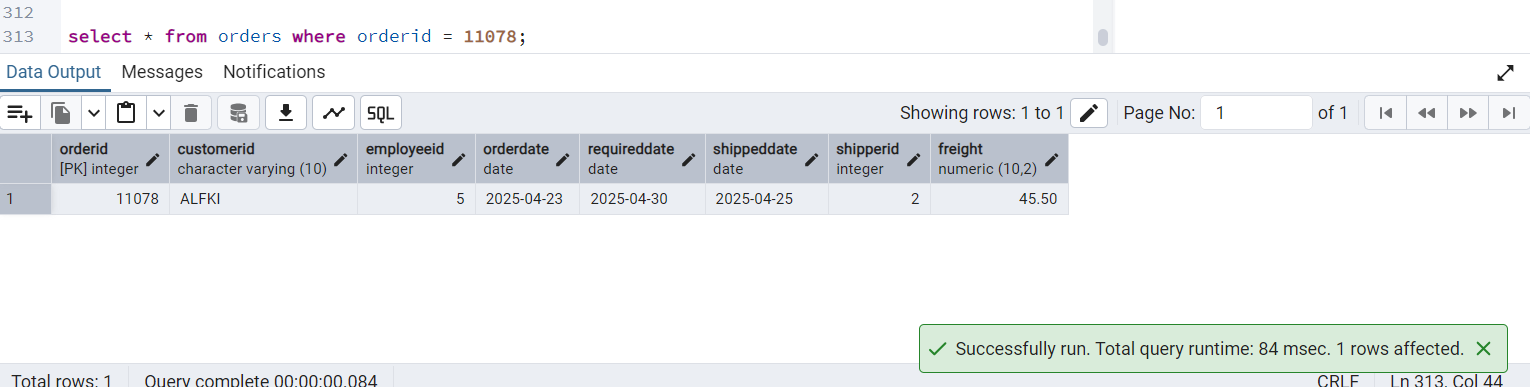
Required Date: 2025-04-30

Shipped Date: 2025-04-25

shipperID:2

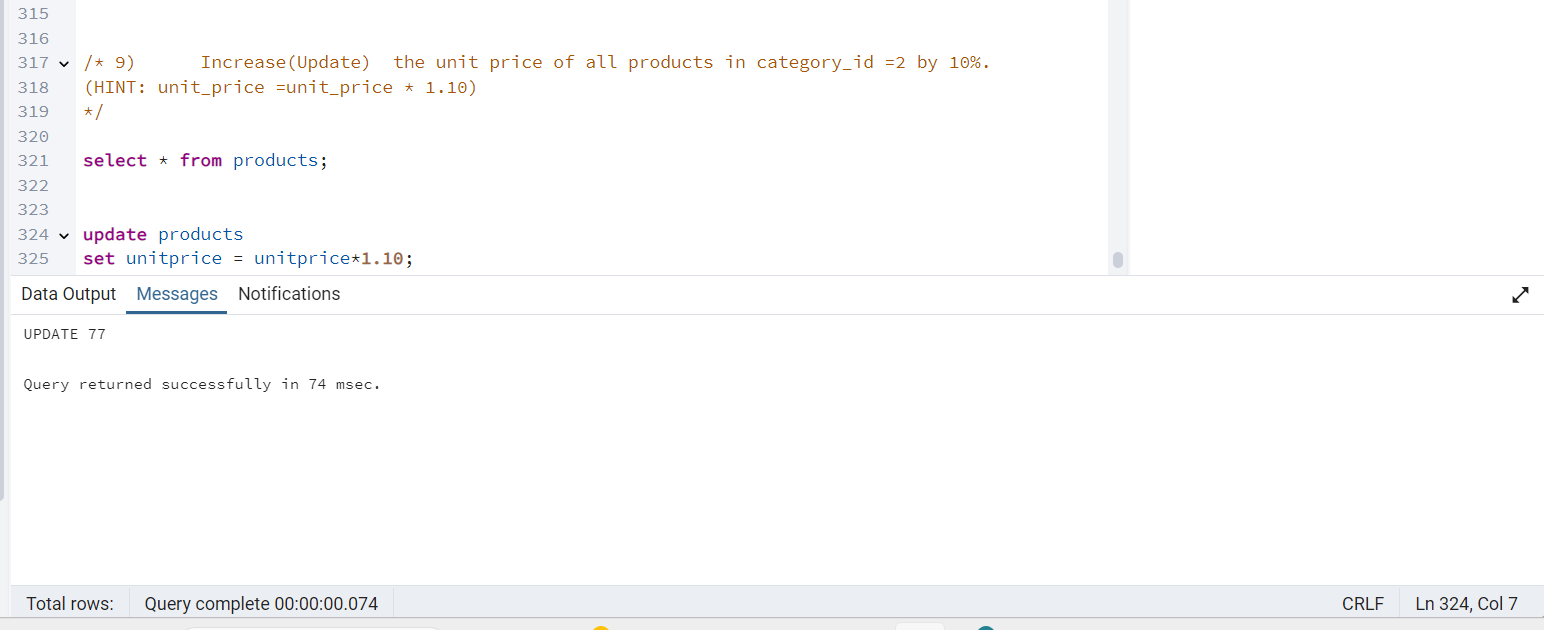
Freight: 45.50

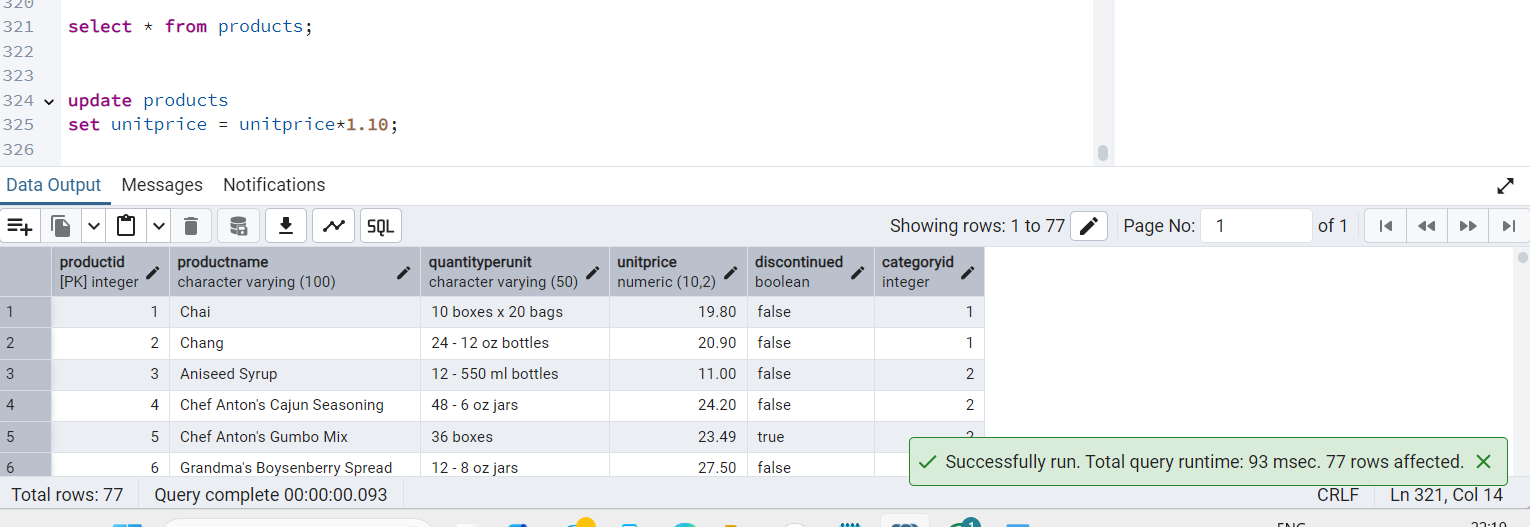




9)      Increase(Update)  the unit price of all products in category\_id =2 by 10%.

(HINT: unit\_price =unit\_price \* 1.10)





10) Sample Northwind database:

Download

Download northwind.sql from below link into your local. Sign in to Git first https://github.com/pthom/northwind\_psql

Manually Create the database using pgAdmin:

Right-click on "Databases" → Create → Database

Give name as ‘northwind’ (all small letters)

Click ‘Save’

Import database:

Open pgAdmin and connect to your server

Select the database ‘northwind’

Right Click-> Query tool.

Click the folder icon to open your northwind.sql file

Press F5 or click the Execute button.

You will see total 14 tables loaded

Databases → your database → Schemas → public → Tables

