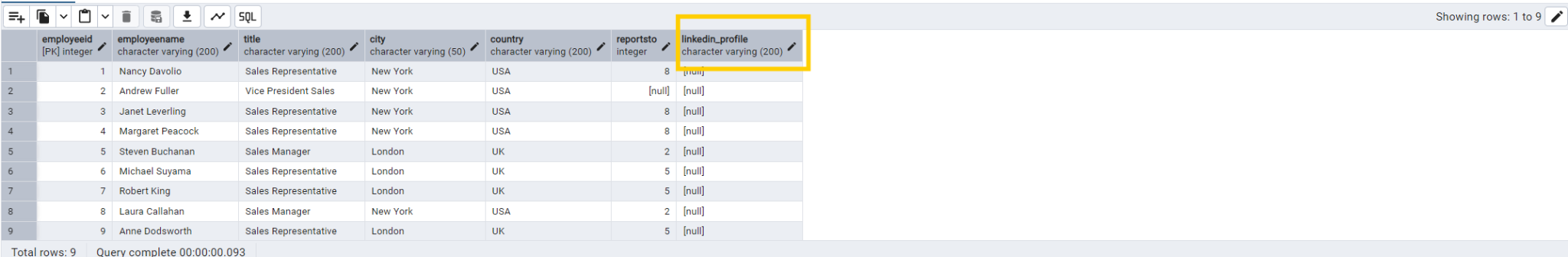
Day 2 sql Assignment

-- 1) Alter Table:

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

alter table employees

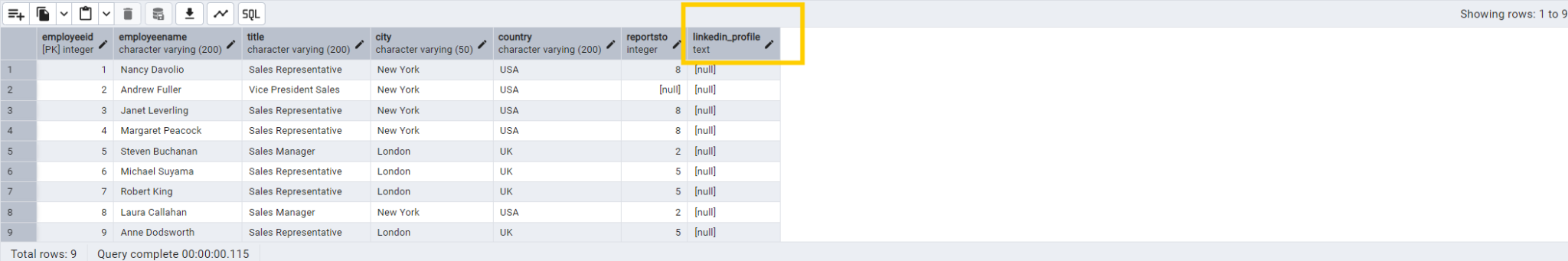
add column linkedin\_profile varchar(200)



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

alter table employees

alter column linkedin\_profile type text



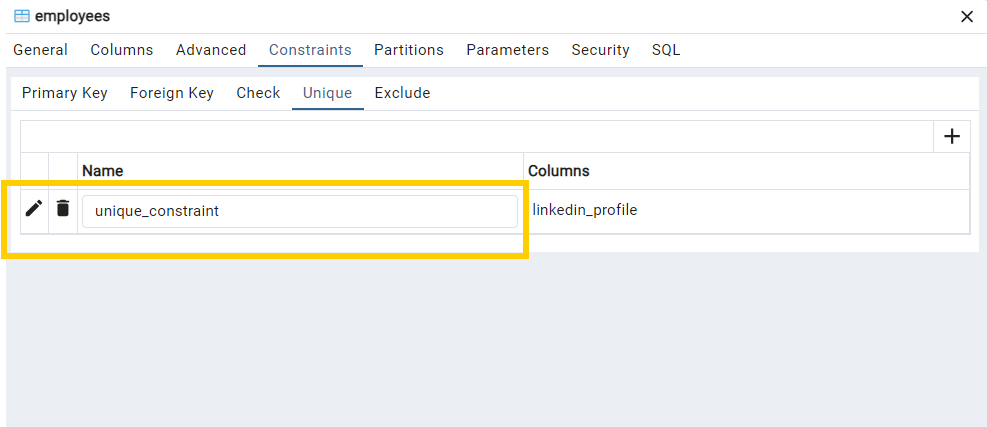
--before set column to not null adding data to linkedin\_profile column

UPDATE employees

SET linkedin\_profile = employeeid || 'linkedin\_profile';

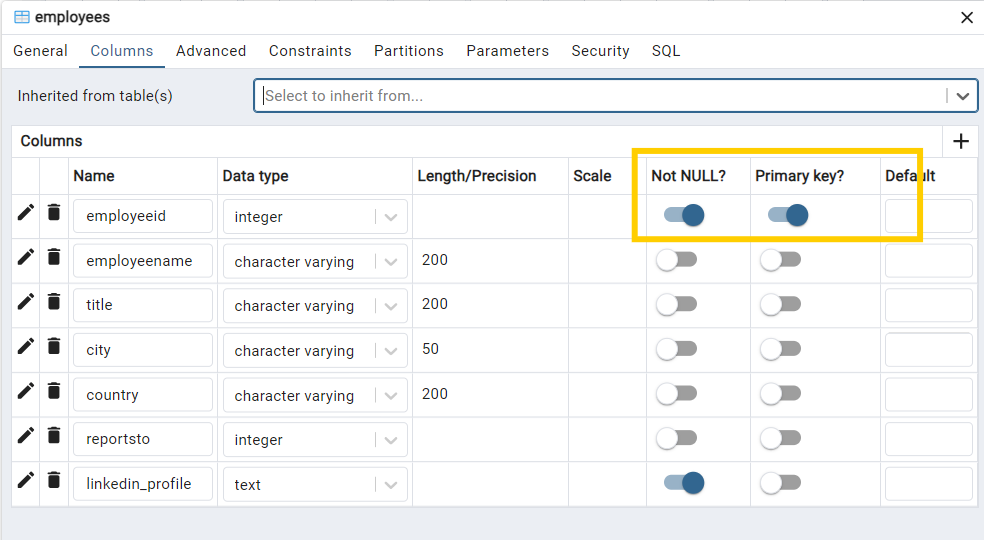
alter table employees

add constraint unique\_constraint unique(linkedin\_profile)



alter table employees

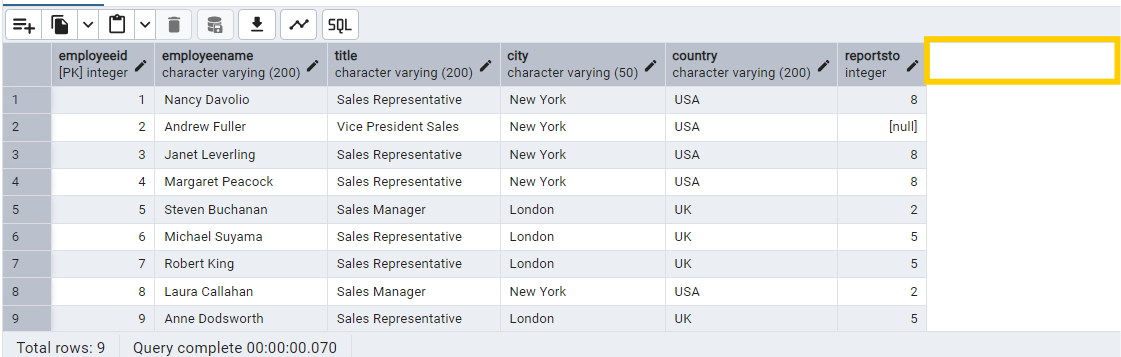
alter column linkedin\_profile set not null



-- Drop column linkedin\_profile

alter table employees

drop column linkedin\_profile



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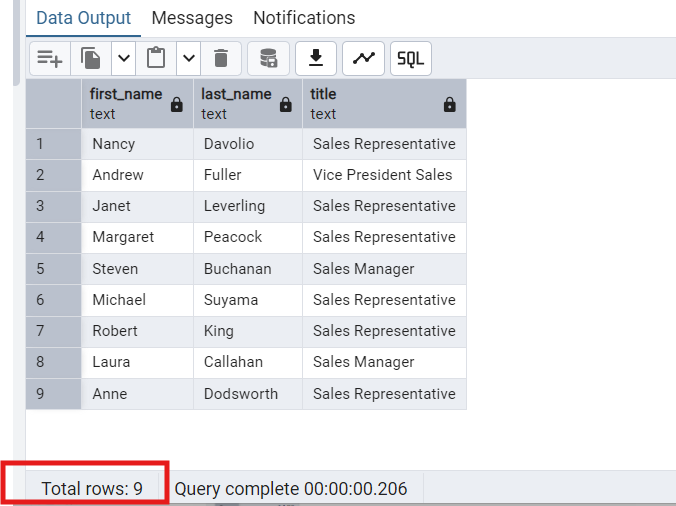
2. Querying (Select)

* Retrieve the employee name and title of all employees

select split\_part (employeename,' ',1)as first\_name,

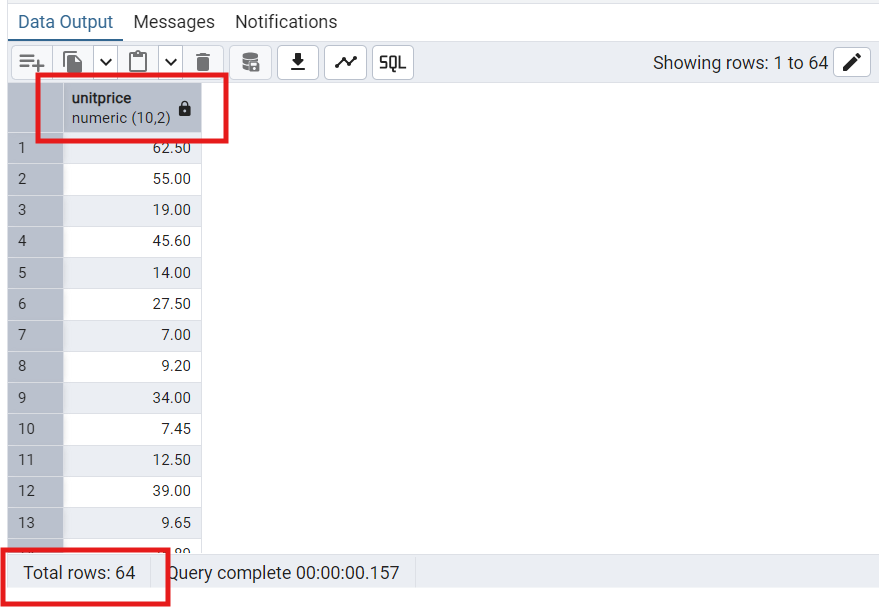
split\_part(employeename,' ',2)as last\_name ,title

from employees;



* Find all unique unit prices of products

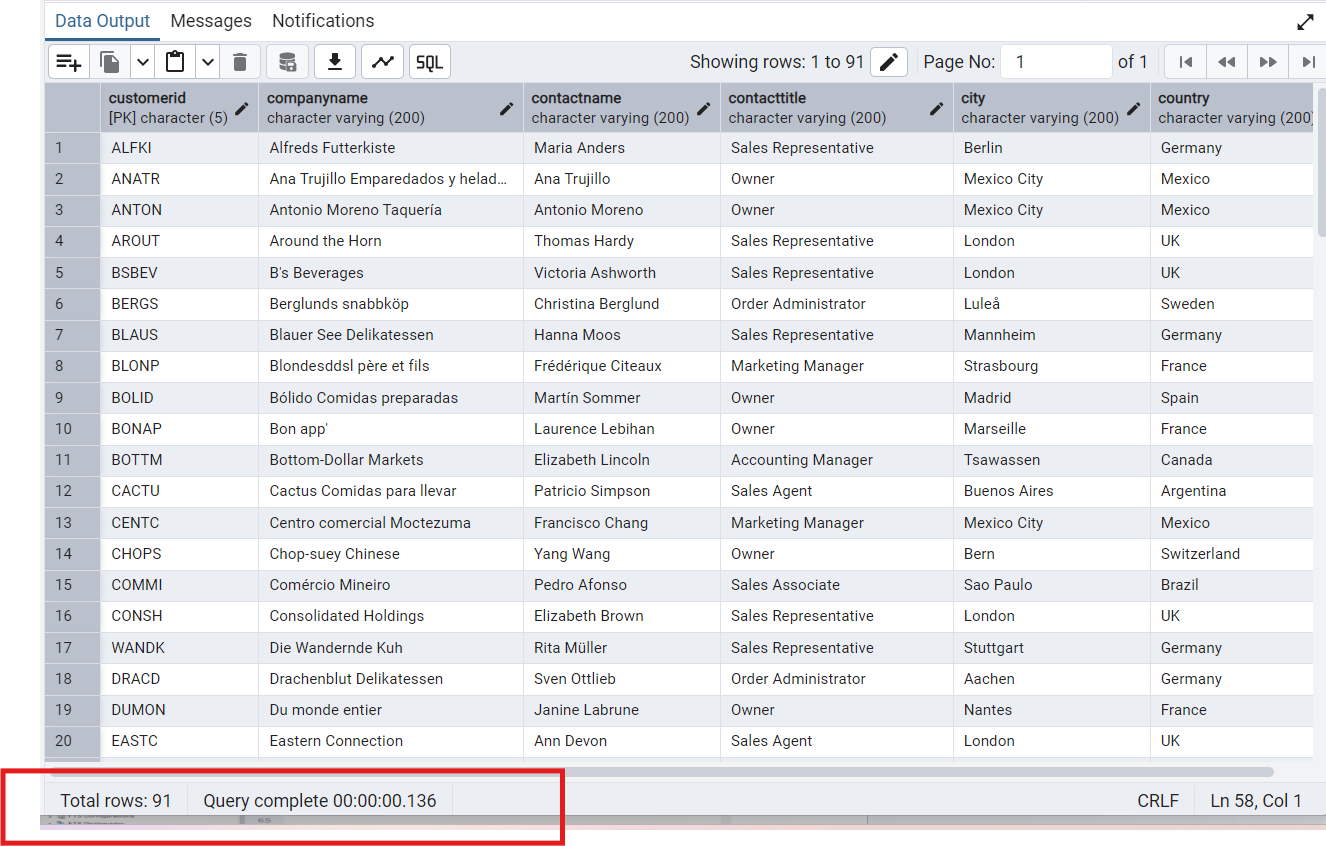
select distinct (unitprice) from products ;



List all customers sorted by company name in ascending order

select \*from customers

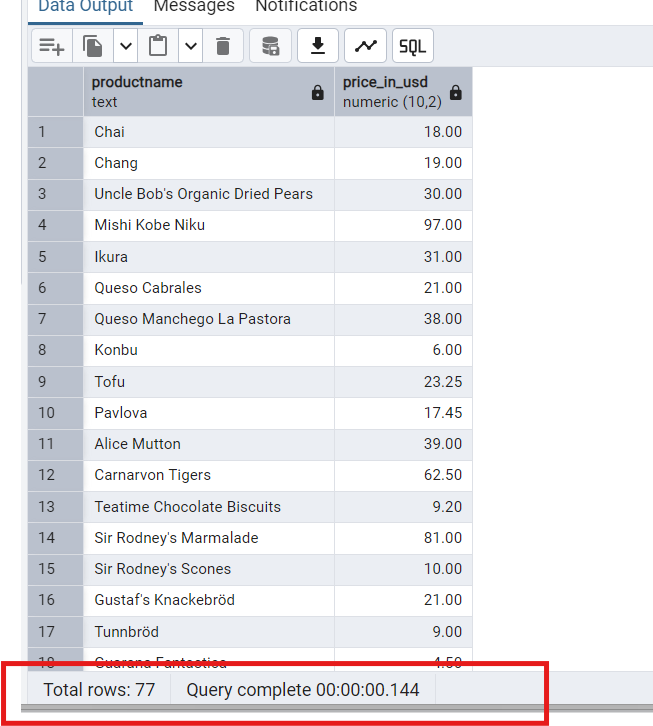
ORDER BY companyname



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

select productname, unitprice as price\_in\_usd

from products;



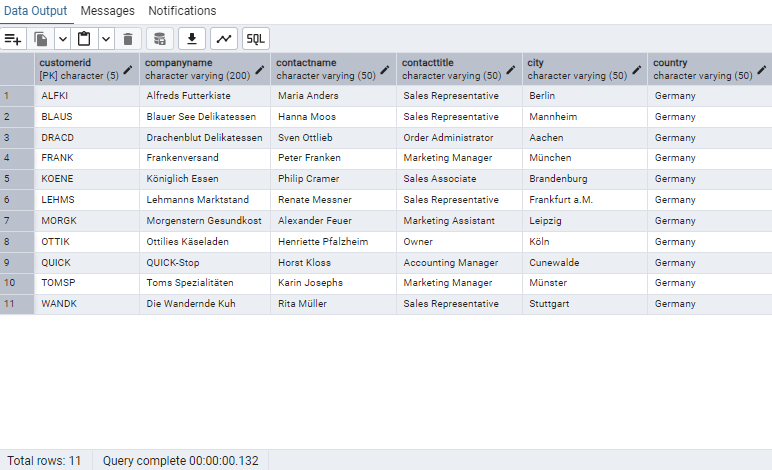
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3) Filtering

* Get all customers from Germany.

SELECT \* FROM customers

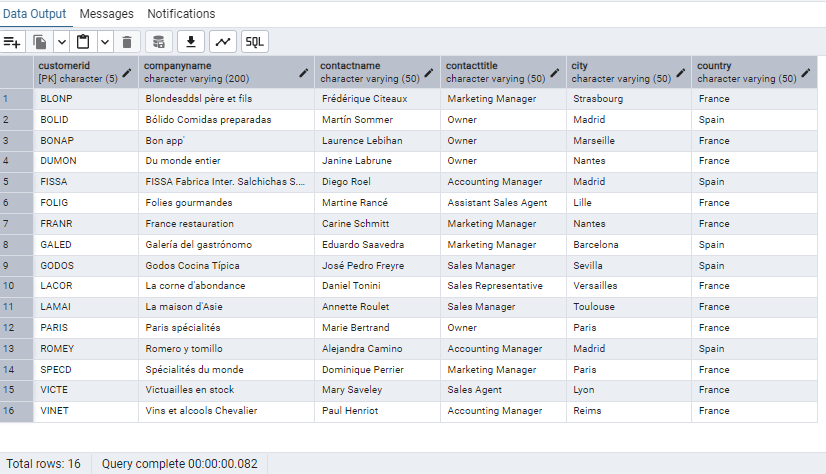
WHERE country='Germany'



* Find all customers from France or Spain

SELECT \* FROM customers

WHERE country ='Germany' OR country='Spain'

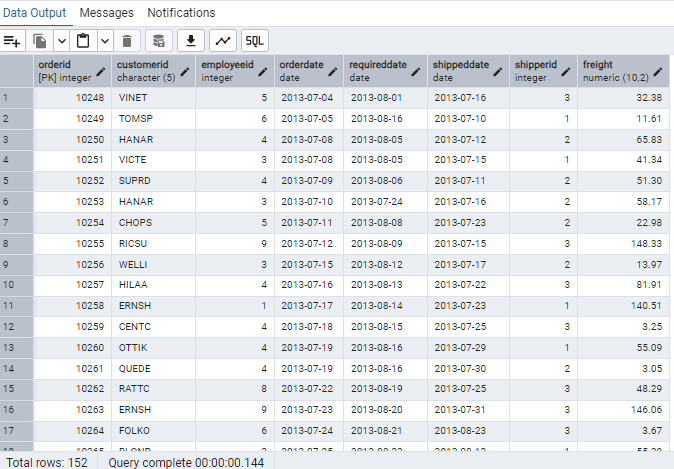


* Retrieve all orders placed in 2014(based on order\_date), and either have freight greater than 50 or the shipped date available (i.e., non-NULL) (Hint: EXTRACT(YEAR FROM order\_date))

SELECT \* FROM orders

WHERE EXTRACT(YEAR FROM orderdate)=2013

AND (freight) >50 OR shippeddate IS NOT NULL



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4) Filtering

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

SELECT productid,productname,unitprice

FROM Products

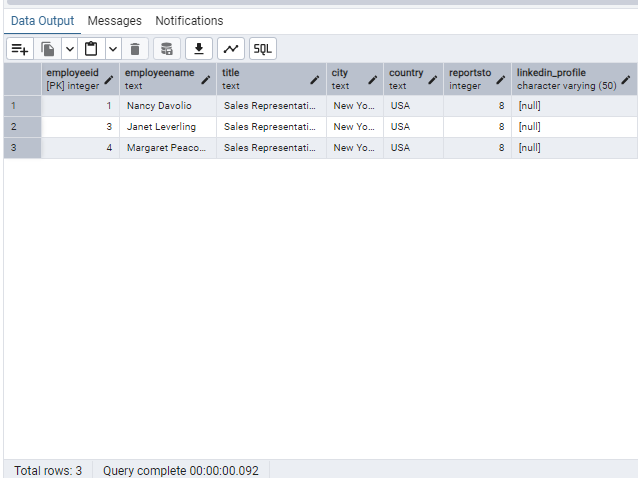
WHERE unitprice>15



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

SELECT \* FROM employees

WHERE country='USA' AND title='Sales Representative'



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

SELECT \* FROM products

WHERE discontinued = 'false' and unitprice > 30



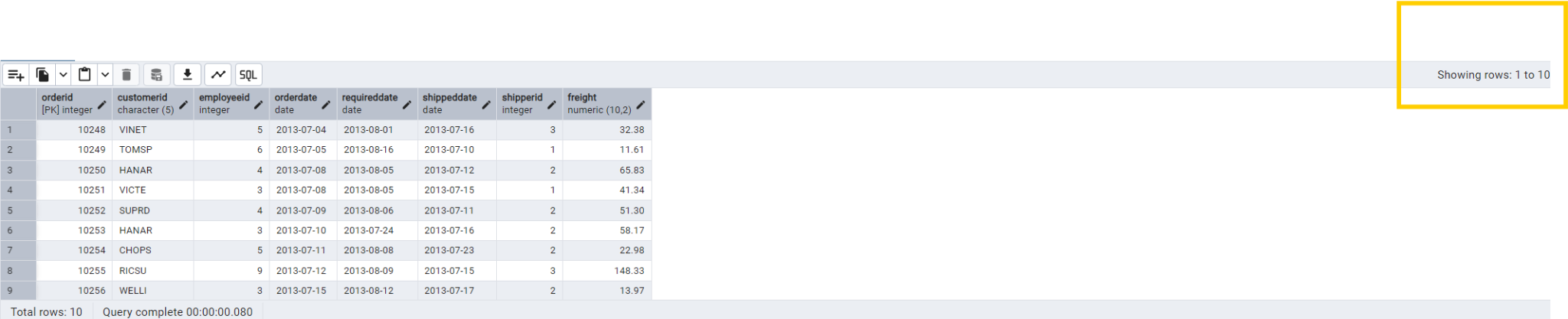
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5) LIMIT/FETCH

-- Retrieve the first 10 orders from the orders table.

select \* from orders

limit 10;



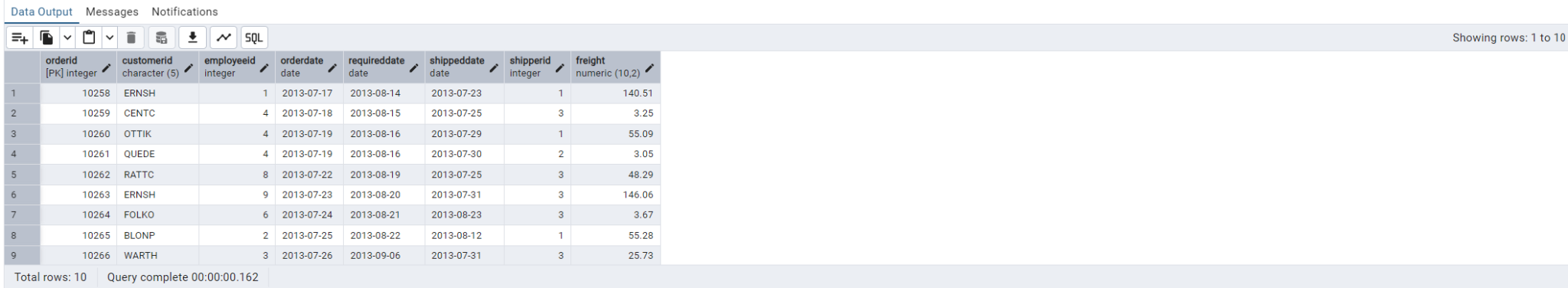
-- Retrieve orders starting from the 11th order, fetching 10 rows (i.e., fetch rows 11-20).

select \* from orders

order by orderid

limit 10

offset 10



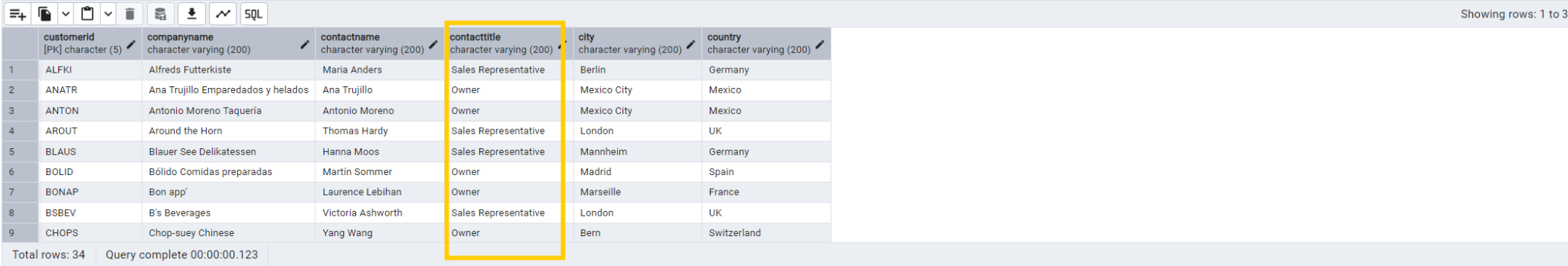
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6) Filtering (IN, BETWEEN)

-- List all customers who are either Sales Representative, Owner

select \* from customers

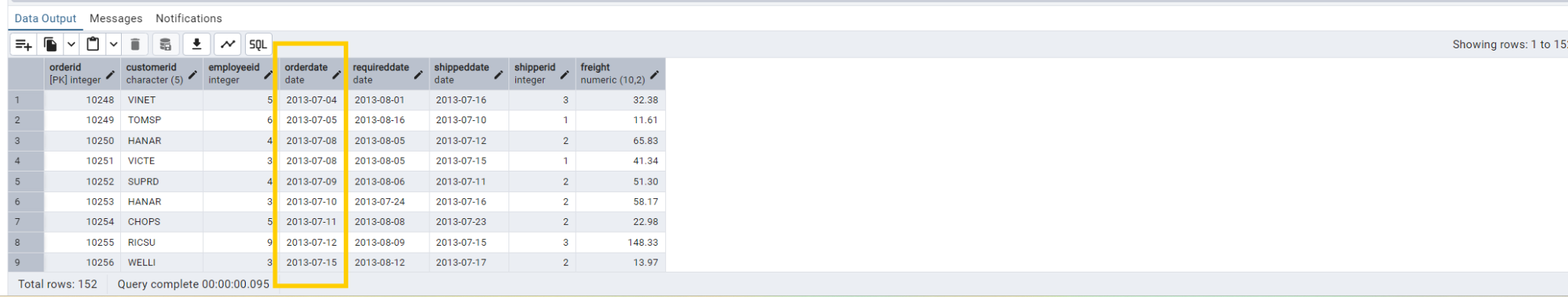
where contacttitle = 'Sales Representative' or contacttitle= 'Owner'



-- Retrieve orders placed between January 1, 2013, and December 31, 2013

select \* from orders

where orderdate between '2013-01-01' and '2013-12-31'



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7) Filtering

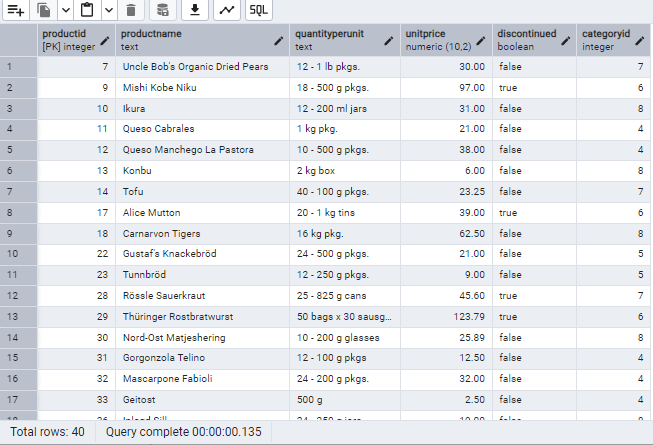
List all products whose category\_id is not 1, 2, or 3.

Find customers whose company name starts with "A".

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

SELECT \* FROM products

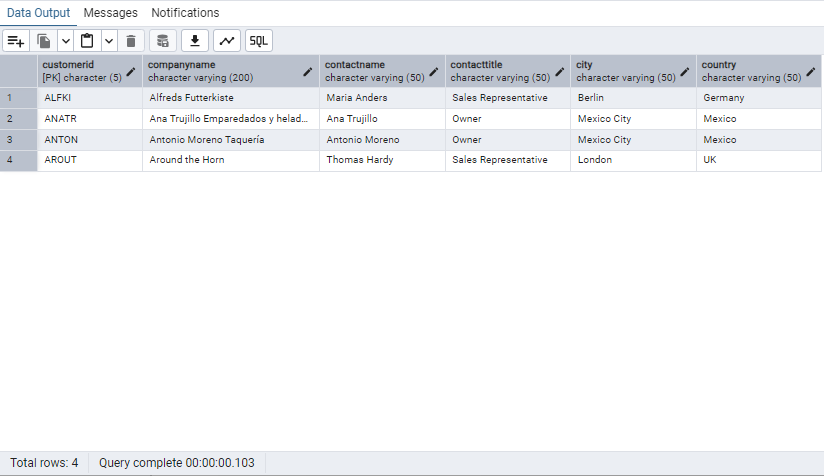
WHERE categoryid NOT IN('1','2','3')



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

SELECT \* FROM customers

WHERE companyname LIKE 'A%'



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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

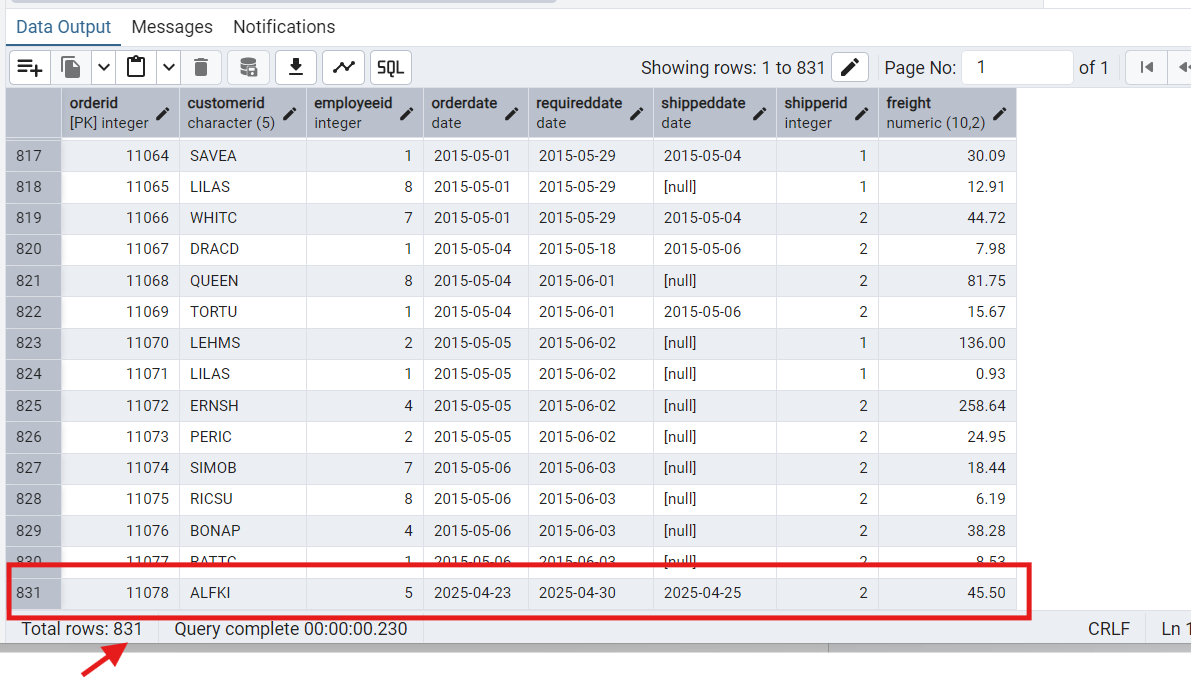
--shipperID:2

--Freight: 45.

insert into orders

VALUES (11078, 'ALFKI',5,'2025-04-23','2025-04-30','2025-04-25',2,45)

select \* from orders



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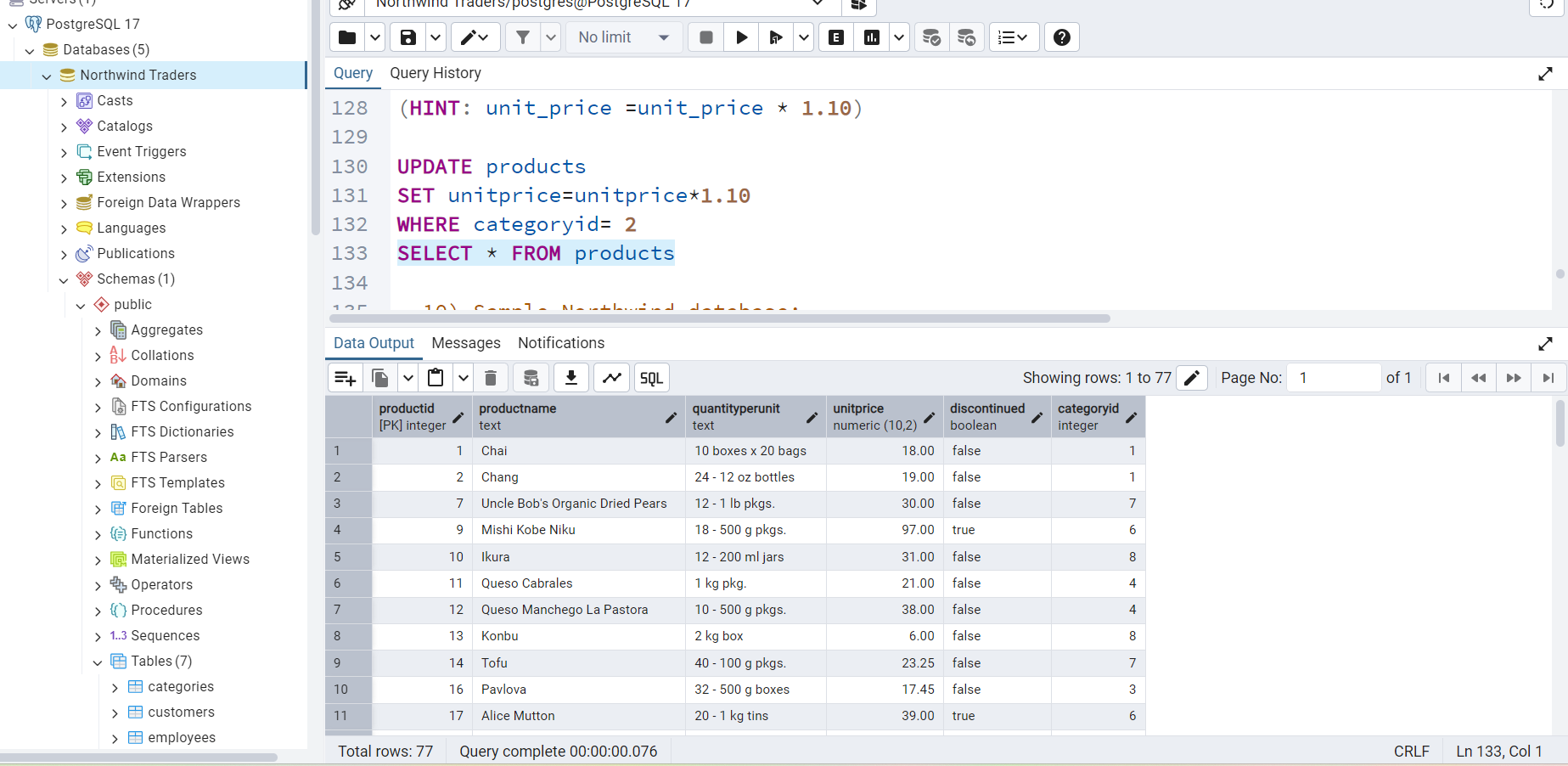
9) Increase(Update) the unit price of all products in category\_id =2 by 10%.

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

UPDATE products

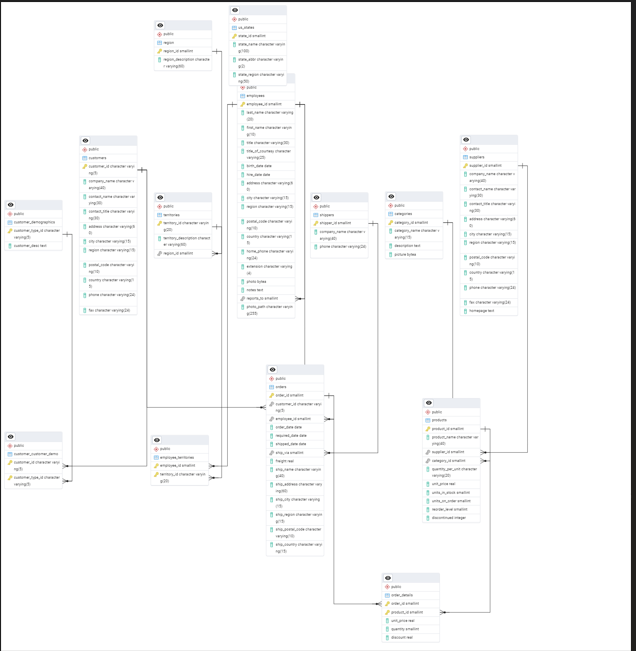
SET unitprice=unitprice\*1.10

WHERE categoryid= 2



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10) Added northwind databases



Tables:

