**Querying the database**

Individual queries and the corresponding queries.

All the queries are also attached in the file Queries.sql.

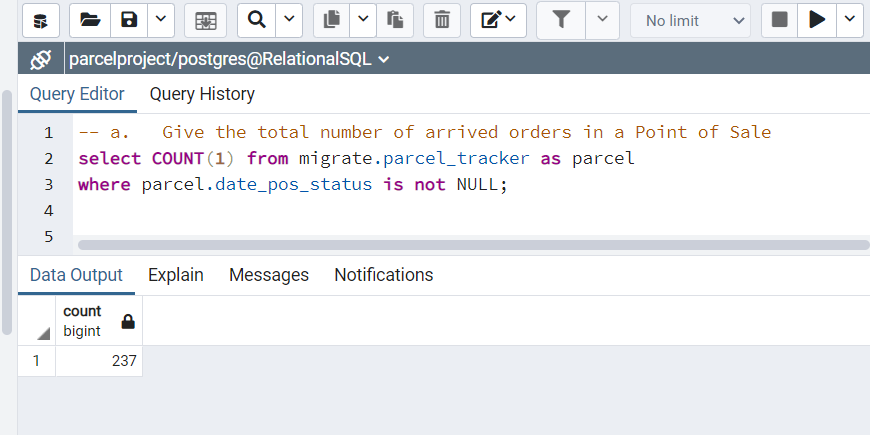
1. **List of all arrived orders**
   1. Give the total number of arrived orders in a Point of Sale.

**Query:**

select COUNT(1) from migrate.parcel\_tracker as parcel

where parcel.date\_pos\_status is not NULL;

**output:**



* 1. Give the total number of arrived orders for one specific customer.

**Query:**

select migrate.orders.customer\_name, COUNT(1) from migrate.parcel\_tracker

INNER JOIN migrate.parcel

on migrate.parcel\_tracker.parcel\_id = migrate.parcel.parcel\_id

and migrate.parcel\_tracker.date\_pos\_status is not NULL

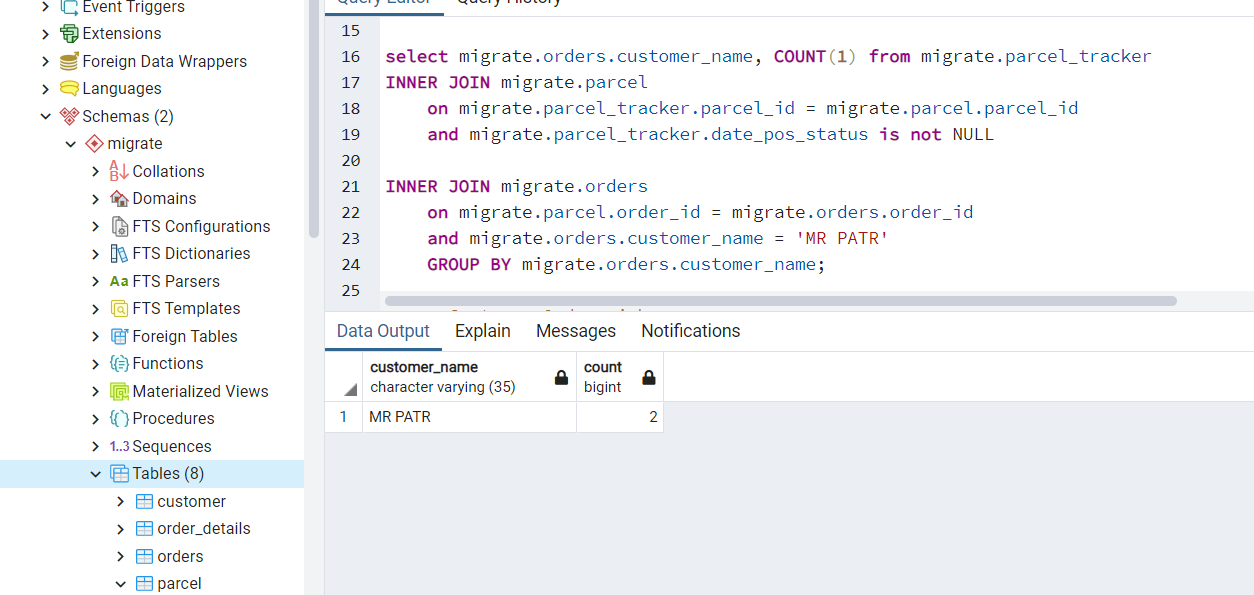
INNER JOIN migrate.orders

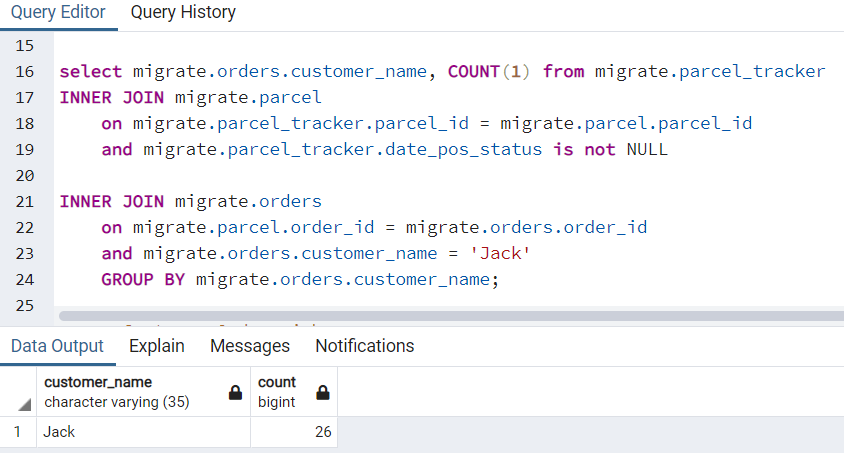
on migrate.parcel.order\_id = migrate.orders.order\_id

and migrate.orders.customer\_name = 'MR PATR'

GROUP BY migrate.orders.customer\_name;

**Output:**

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1. **Customer Order Pickup**
   1. Build a search query that will be able to look for customer orders by date, name, or article.

**Query:**

**Name:**

select \* from migrate.Orders

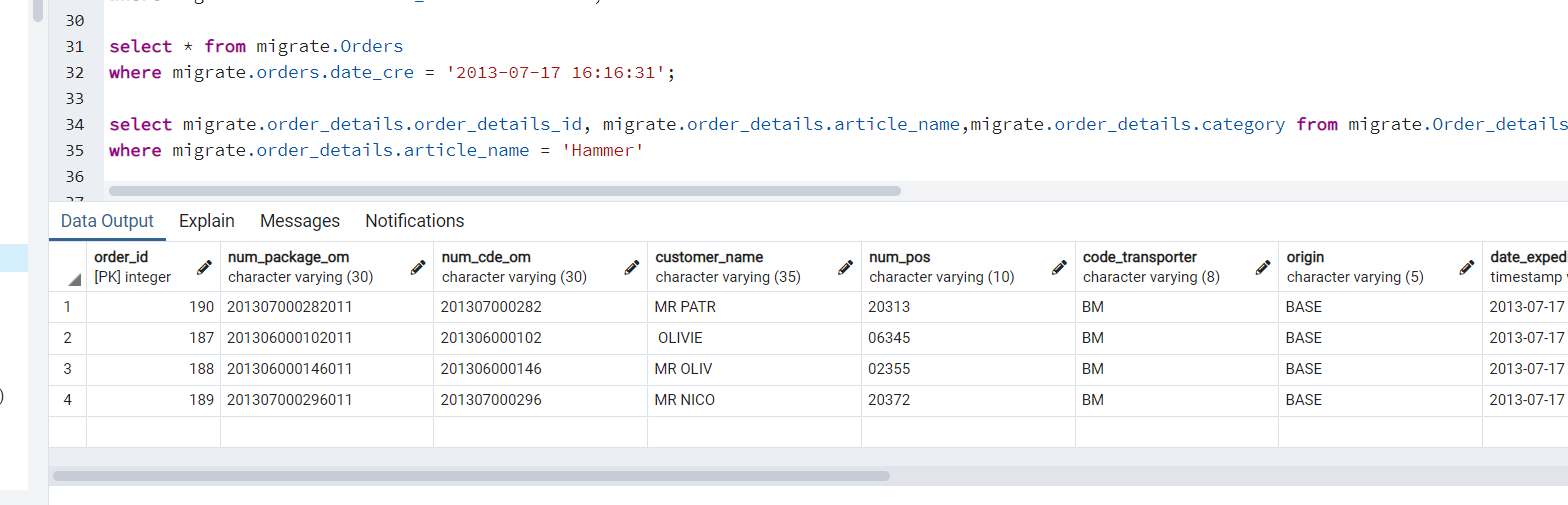
where migrate.orders.customer\_name = 'MR PATR';



**Date:**

select \* from migrate.Orders

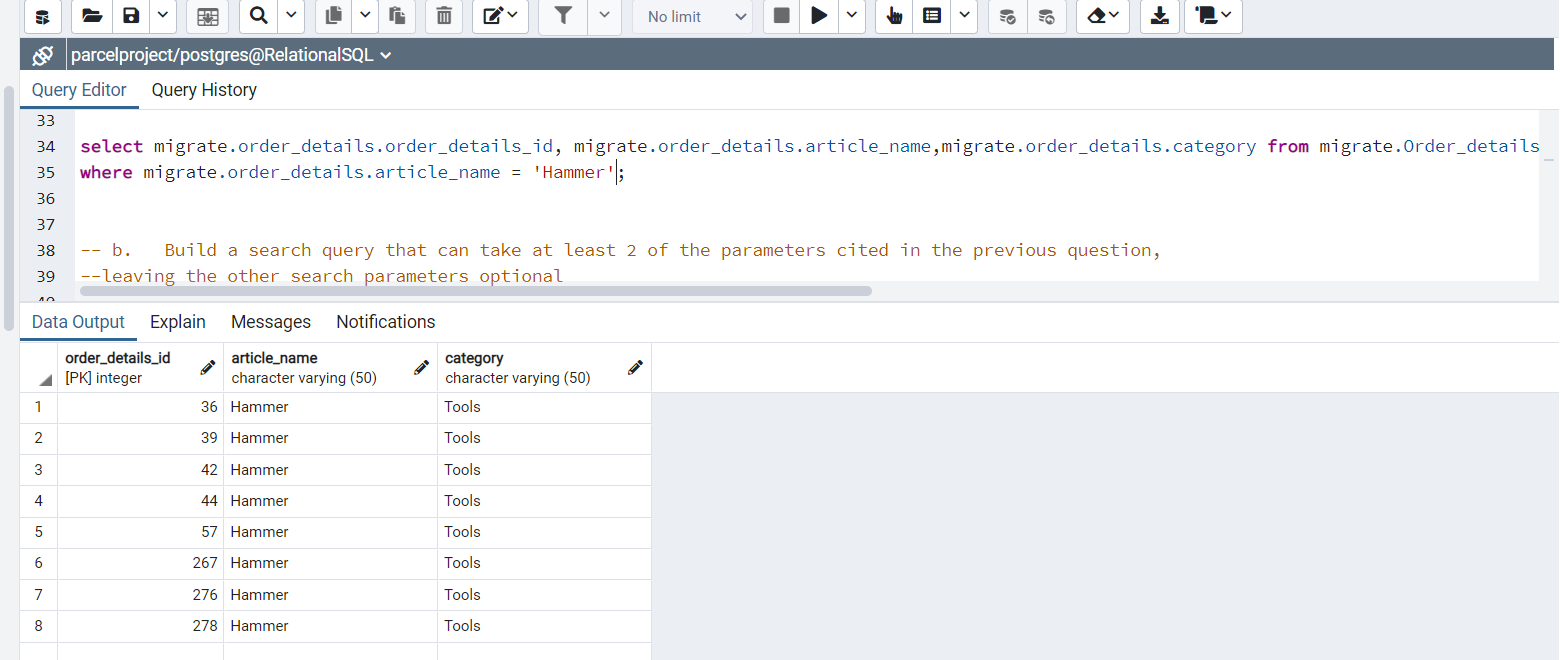
where migrate.orders.date\_cre = '2013-07-17 16:16:31';



**Article:**

Select migrate.order\_details.order\_details\_id,migrate.order\_details.article\_name,migrate.order\_details.category from migrate.Order\_details

where migrate.order\_details.article\_name = 'Hammer';



* 1. Build a search query that can take at least 2 of the parameters cited in the previous question, leaving the other search parameters optional

**Query:** Name and Date

select \* from migrate.Orders

where migrate.orders.date\_cre = '2013-07-17 16:16:31'

and migrate.orders.customer\_name = 'MR PATR'

****

**Article and Date**

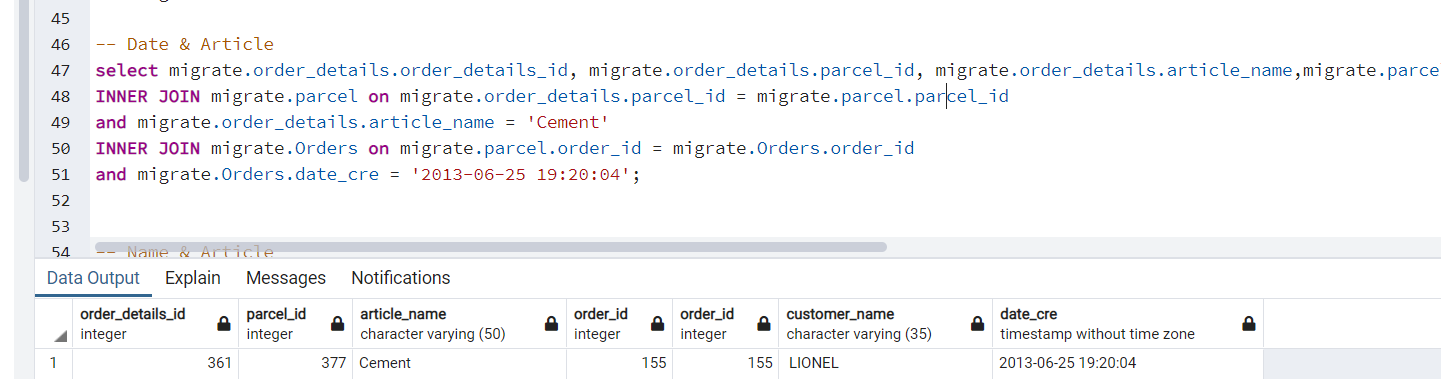
select migrate.order\_details.order\_details\_id, migrate.order\_details.parcel\_id, migrate.order\_details.article\_name,migrate.parcel.order\_id, migrate.Orders.order\_id, migrate.Orders.customer\_name, migrate.Orders.date\_cre from migrate.Order\_details

INNER JOIN migrate.parcel on migrate.order\_details.parcel\_id = migrate.parcel.parcel\_id

and migrate.order\_details.article\_name = 'Cement'

INNER JOIN migrate.Orders on migrate.parcel.order\_id = migrate.Orders.order\_id

and migrate.Orders.date\_cre = '2013-06-25 19:20:04';



**Name and Article**

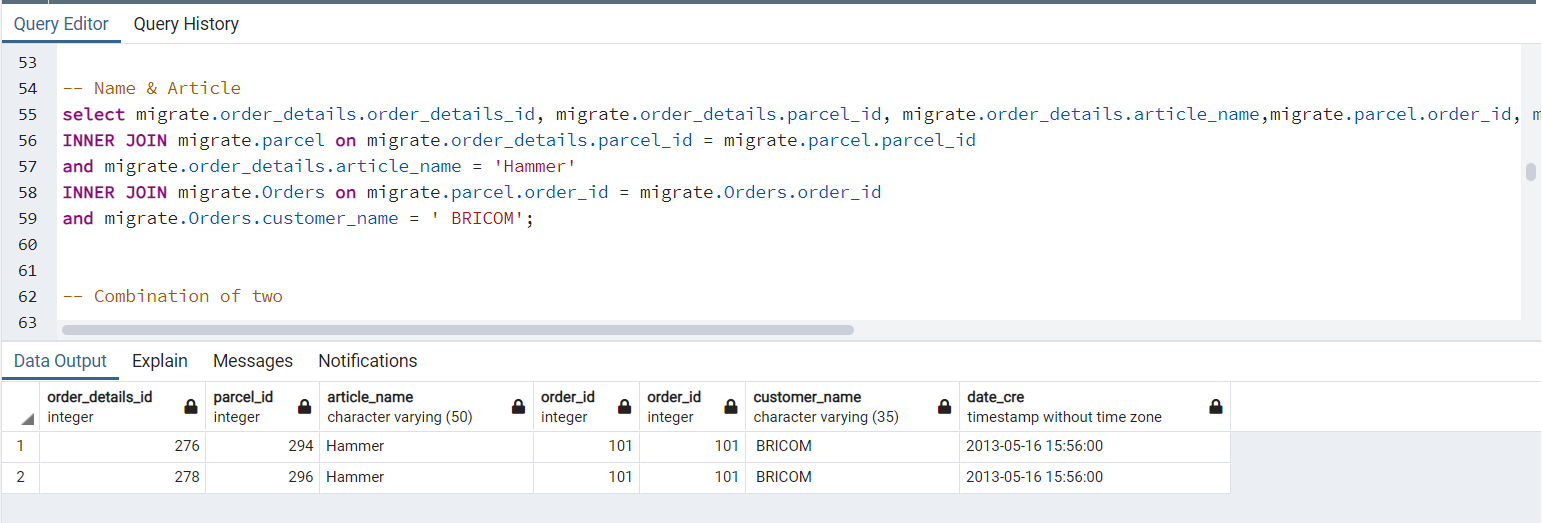
select migrate.order\_details.order\_details\_id, migrate.order\_details.parcel\_id, migrate.order\_details.article\_name,migrate.parcel.order\_id, migrate.Orders.order\_id, migrate.Orders.customer\_name, migrate.Orders.date\_cre from migrate.Order\_details

INNER JOIN migrate.parcel on migrate.order\_details.parcel\_id = migrate.parcel.parcel\_id

and migrate.order\_details.article\_name = 'Hammer'

INNER JOIN migrate.Orders on migrate.parcel.order\_id = migrate.Orders.order\_id

and migrate.Orders.customer\_name = ' BRICOM';



**Combined:**

select migrate.order\_details.order\_details\_id, migrate.order\_details.parcel\_id, migrate.order\_details.article\_name,migrate.parcel.order\_id, migrate.Orders.order\_id, migrate.Orders.customer\_name, migrate.Orders.date\_cre from migrate.Order\_details

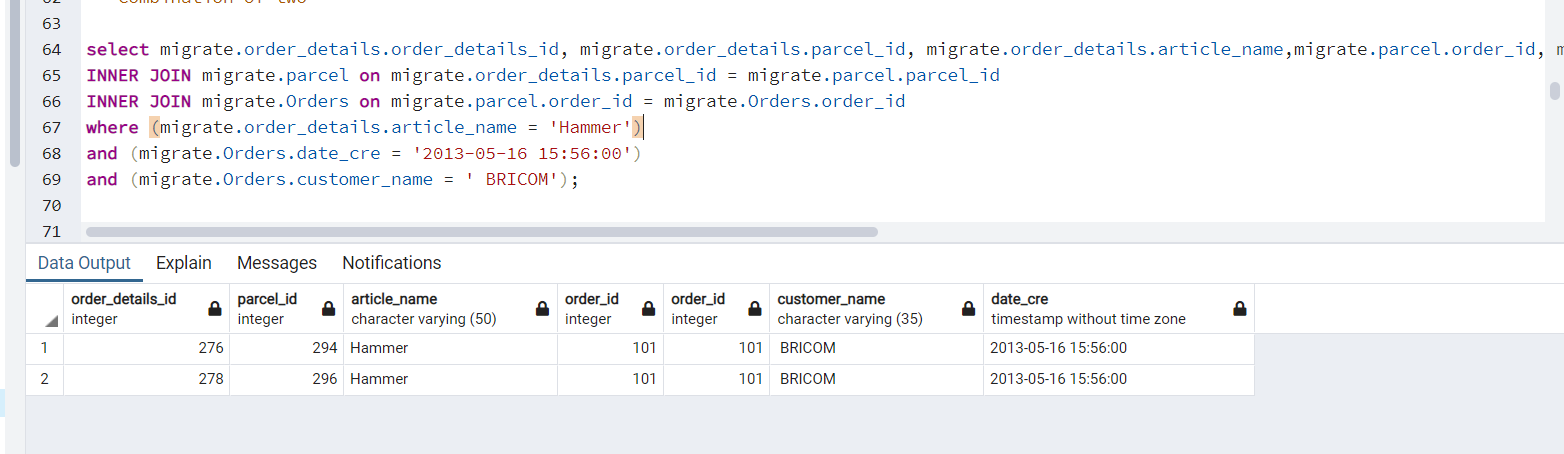
INNER JOIN migrate.parcel on migrate.order\_details.parcel\_id = migrate.parcel.parcel\_id

INNER JOIN migrate.Orders on migrate.parcel.order\_id = migrate.Orders.order\_id

where (migrate.order\_details.article\_name = 'Hammer')

and (migrate.Orders.date\_cre = '2013-05-16 15:56:00')

and (migrate.Orders.customer\_name = ' BRICOM');



* 1. For a specific customer, display the list of orders with the following information :
     + Parcel number
     + Order number
     + Customer name
     + Last Status Date (arrival date)
     + Parcel Status

**Query:**

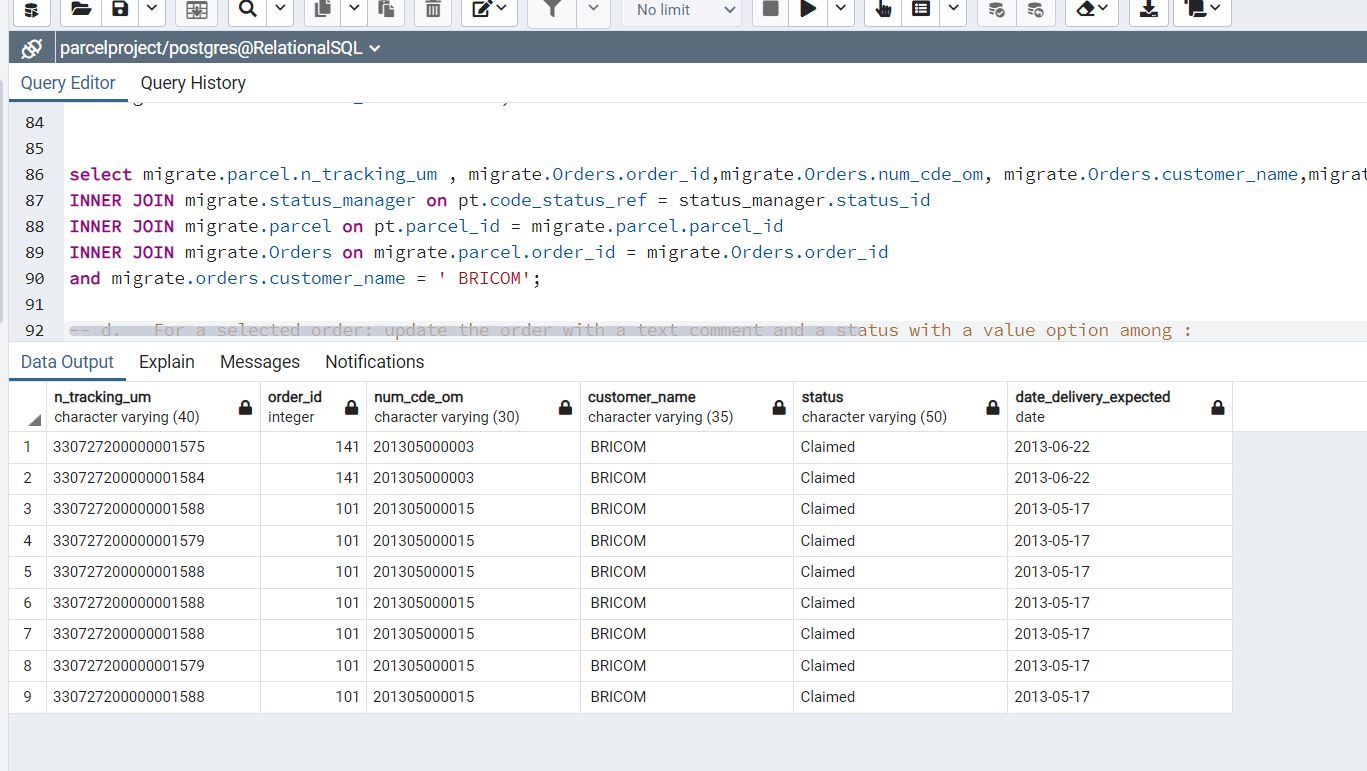
select migrate.parcel.n\_tracking\_um , migrate.Orders.order\_id,migrate.Orders.num\_cde\_om, migrate.Orders.customer\_name,migrate.status\_manager.status, migrate.orders.date\_delivery\_expected from migrate.parcel\_tracker as pt

INNER JOIN migrate.status\_manager on pt.code\_status\_ref = status\_manager.status\_id

INNER JOIN migrate.parcel on pt.parcel\_id = migrate.parcel.parcel\_id

INNER JOIN migrate.Orders on migrate.parcel.order\_id = migrate.Orders.order\_id

and migrate.orders.customer\_name = ' BRICOM';



* 1. For a selected order: update the order with a text comment and a status with a value option among :
     + Delivered to customer.
     + Not delivered, to customer wants an item exchange.
     + Not delivered, the customer wants a refund.

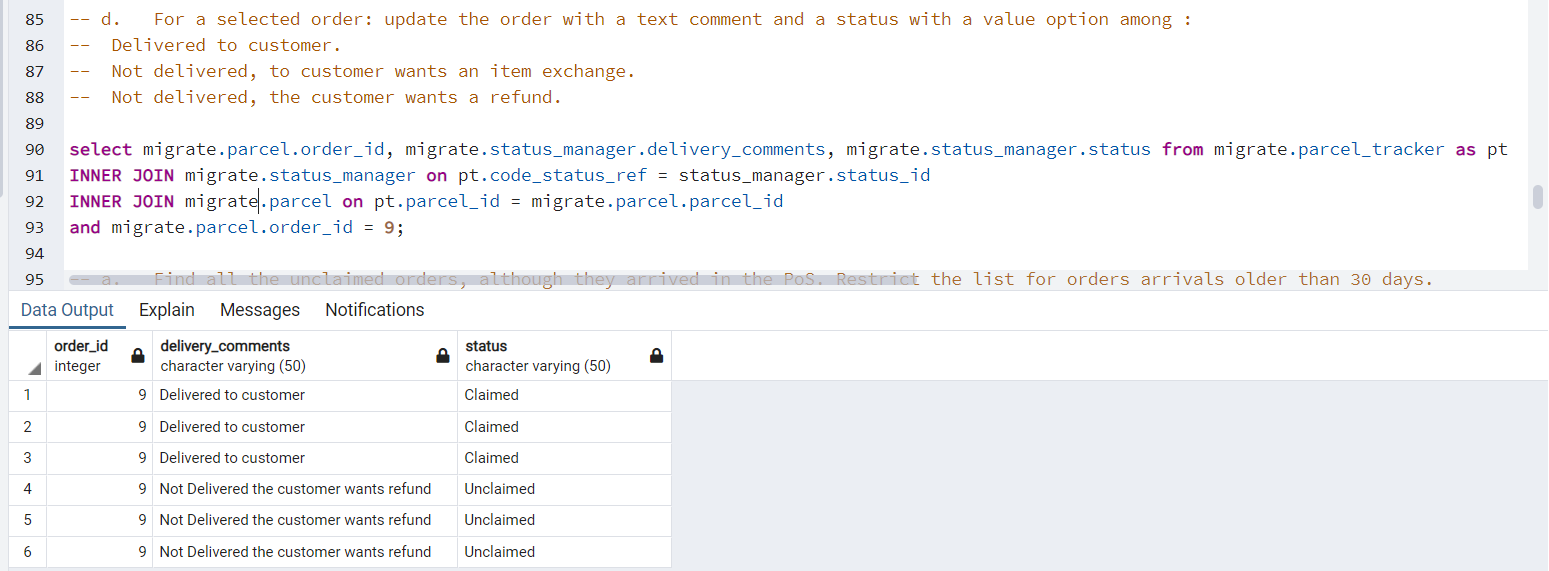
**Query:**

select migrate.parcel.order\_id, migrate.status\_manager.delivery\_comments, migrate.status\_manager.status from migrate.parcel\_tracker as pt

INNER JOIN migrate.status\_manager on pt.code\_status\_ref = status\_manager.status\_id

INNER JOIN migrate.parcel on pt.parcel\_id = migrate.parcel.parcel\_id

and migrate.parcel.order\_id = 9;

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1. **Orders that have not been picked up**
   1. Find all the unclaimed orders, although they arrived in the PoS. Restrict the list for orders arrivals older than 30 days.

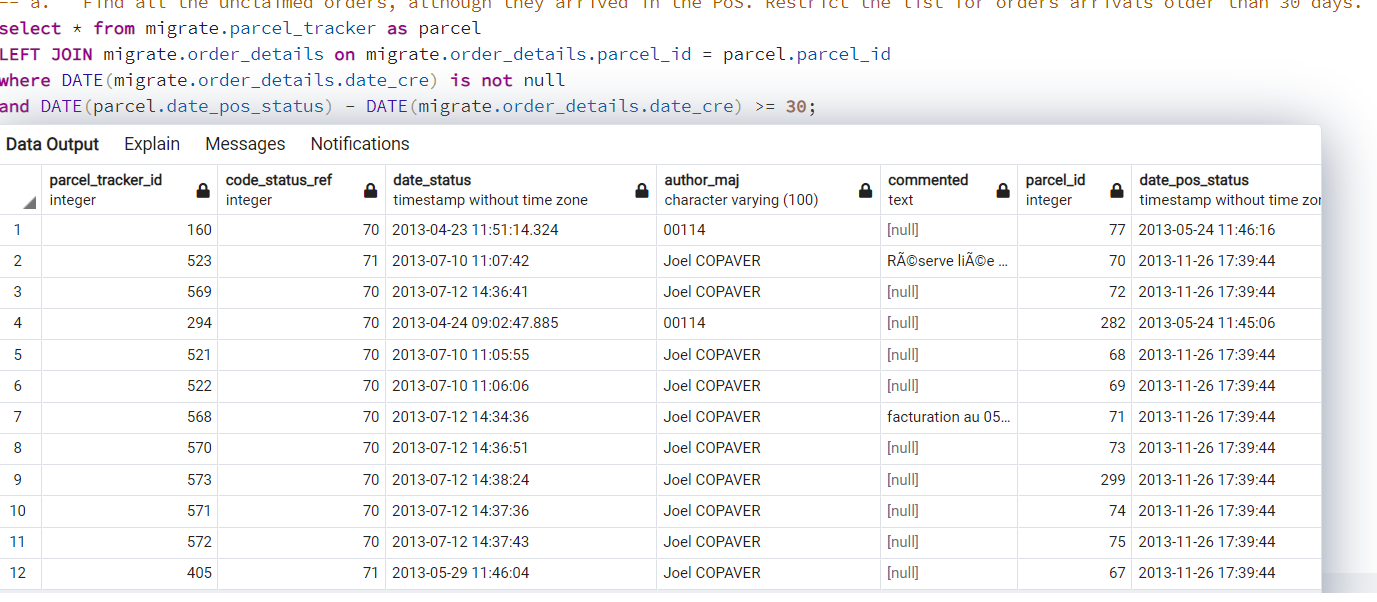
**Query:**

select \* from migrate.parcel\_tracker as parcel

LEFT JOIN migrate.order\_details on migrate.order\_details.parcel\_id = parcel.parcel\_id

where DATE(migrate.order\_details.date\_cre) is not null

and DATE(parcel.date\_pos\_status) - DATE(migrate.order\_details.date\_cre) >= 30;



* 1. Calculate the 3 categories the most affected by unclaimed orders

**Query:**

select COUNT(migrate.order\_details.category), migrate.order\_details.category from migrate.parcel\_tracker as pt

INNER JOIN migrate.order\_details on pt.parcel\_id = migrate.order\_details.parcel\_id

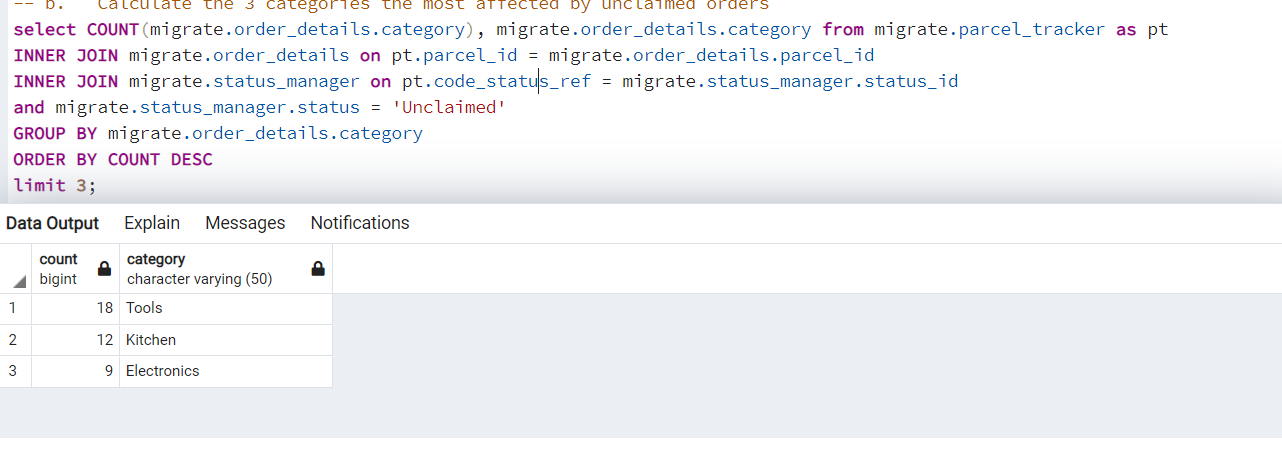
INNER JOIN migrate.status\_manager on pt.code\_status\_ref = migrate.status\_manager.status\_id

and migrate.status\_manager.status = 'Unclaimed'

GROUP BY migrate.order\_details.category

ORDER BY COUNT DESC

limit 3;



* 1. Calculate the overall cost of unclaimed orders

**Query:**

select sum(migrate.order\_details.total\_price) from migrate.parcel\_tracker as pt

INNER JOIN migrate.order\_details on pt.parcel\_id = migrate.order\_details.parcel\_id

INNER JOIN migrate.status\_manager on pt.code\_status\_ref = migrate.status\_manager.status\_id

and migrate.status\_manager.status = 'Unclaimed';

