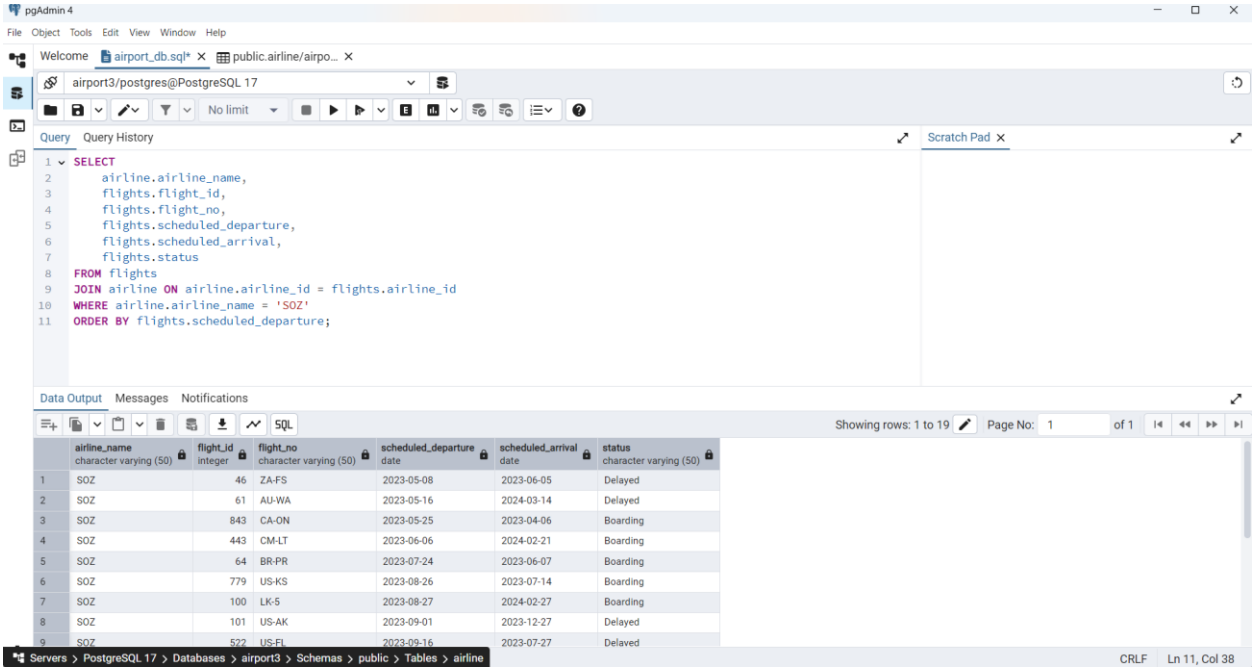
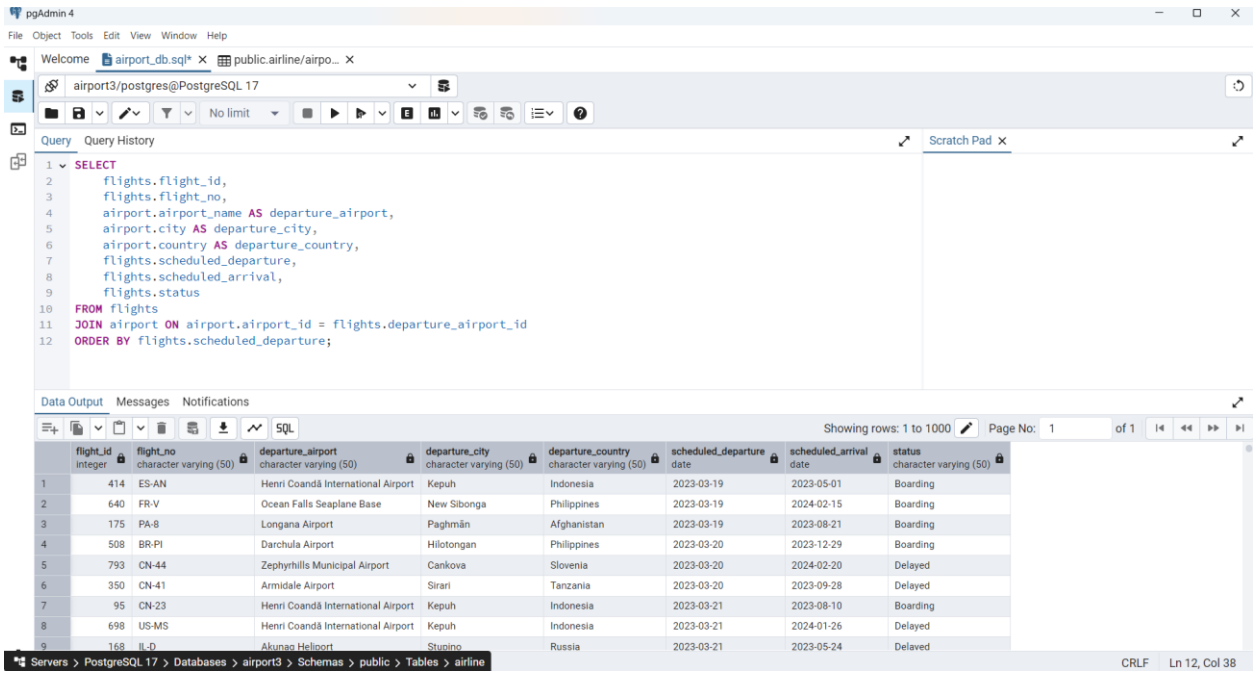
JOIN operations tasks

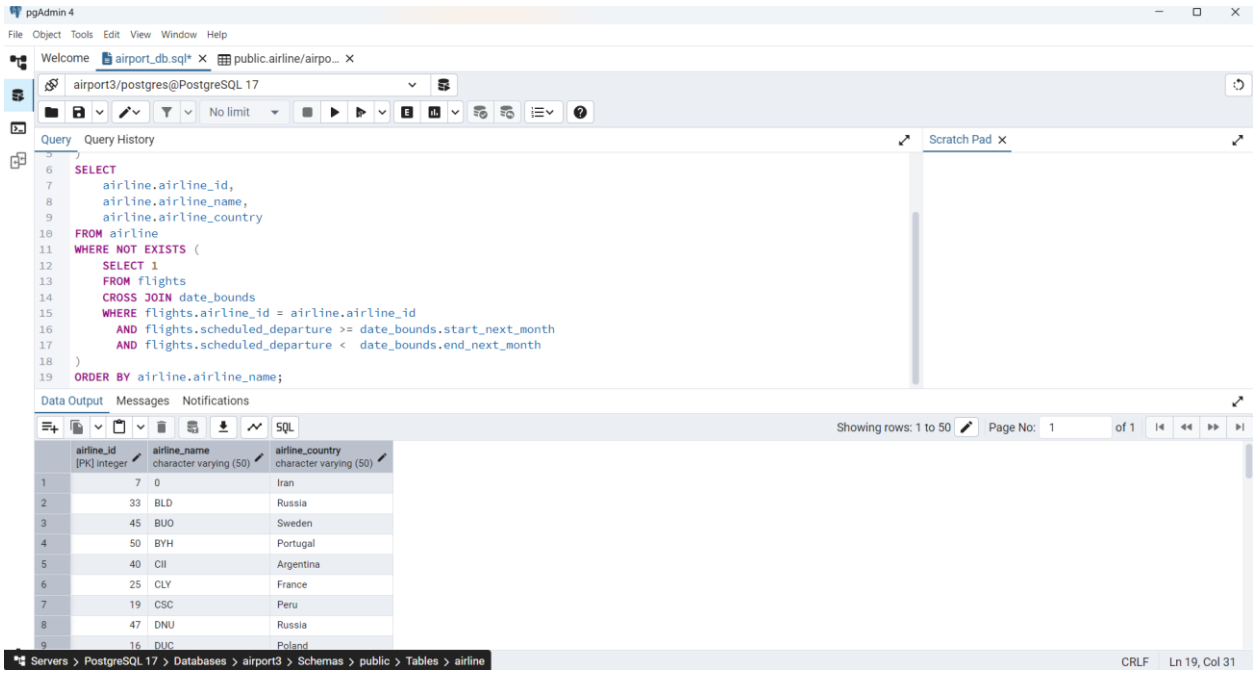
1. Write a query that displays all flights of a specific airline.



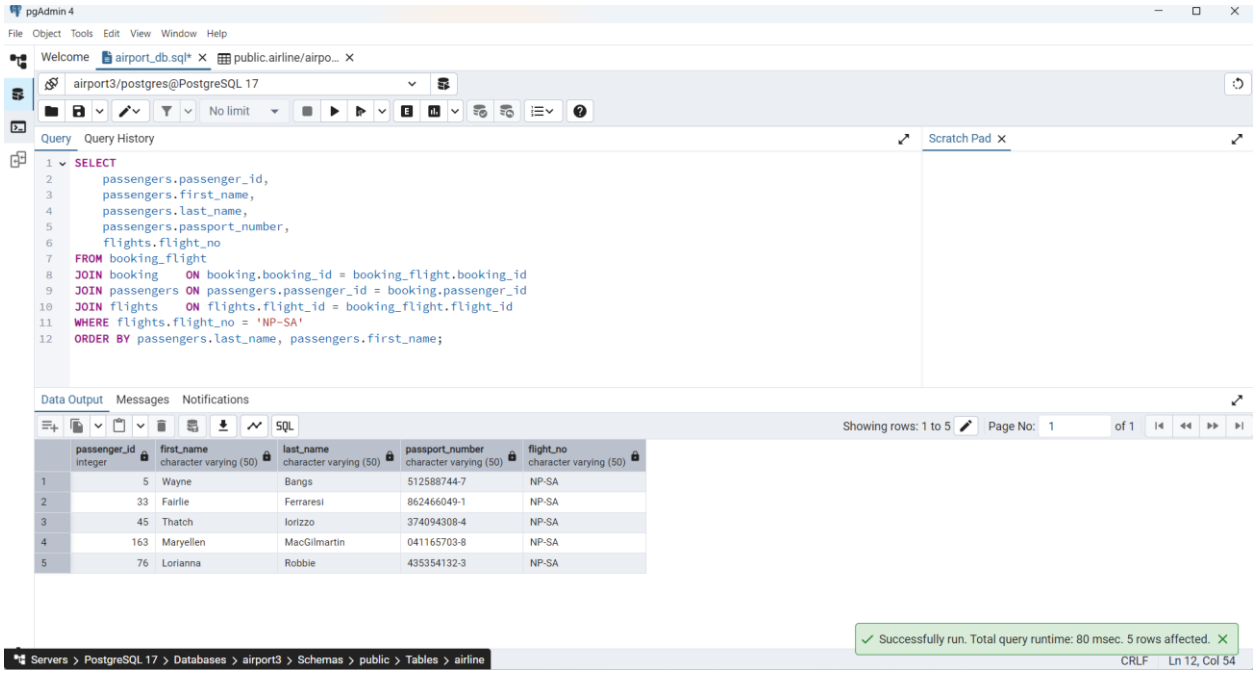
2. Compose a query to obtain a list of all flights with the names of departure airports.



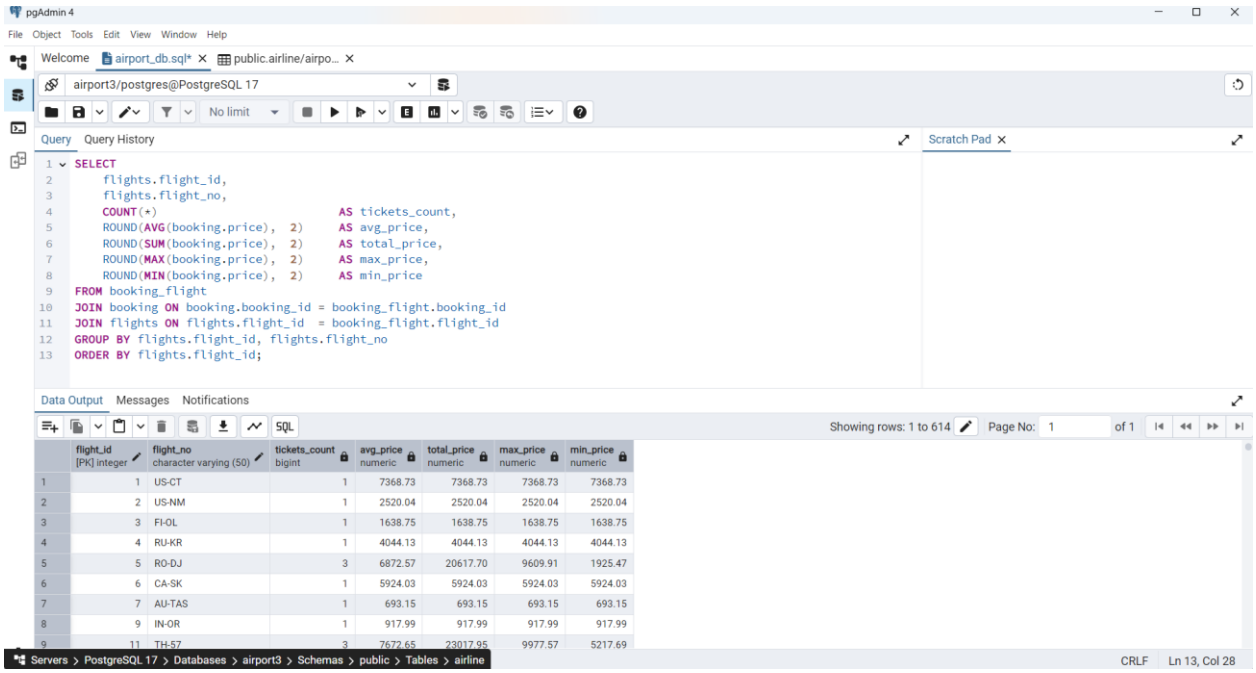
3. Create a query that finds all airlines that have no flights scheduled for the next month.



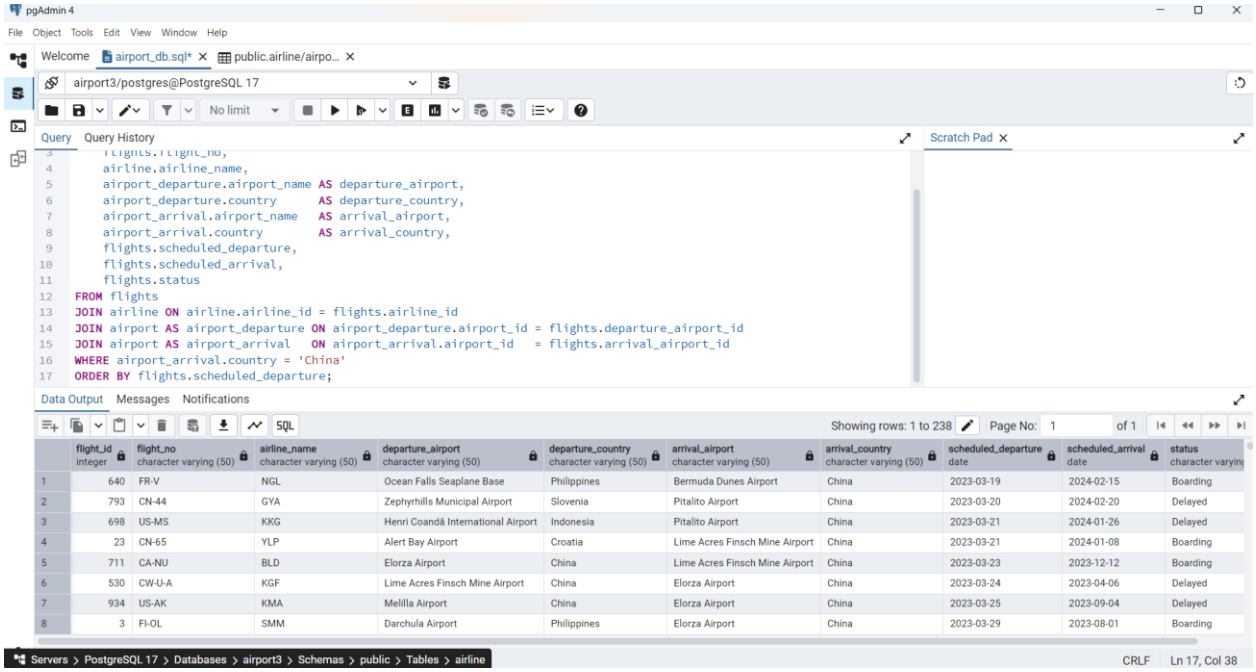
4. Create a query to display a list of passengers on a specific flight.



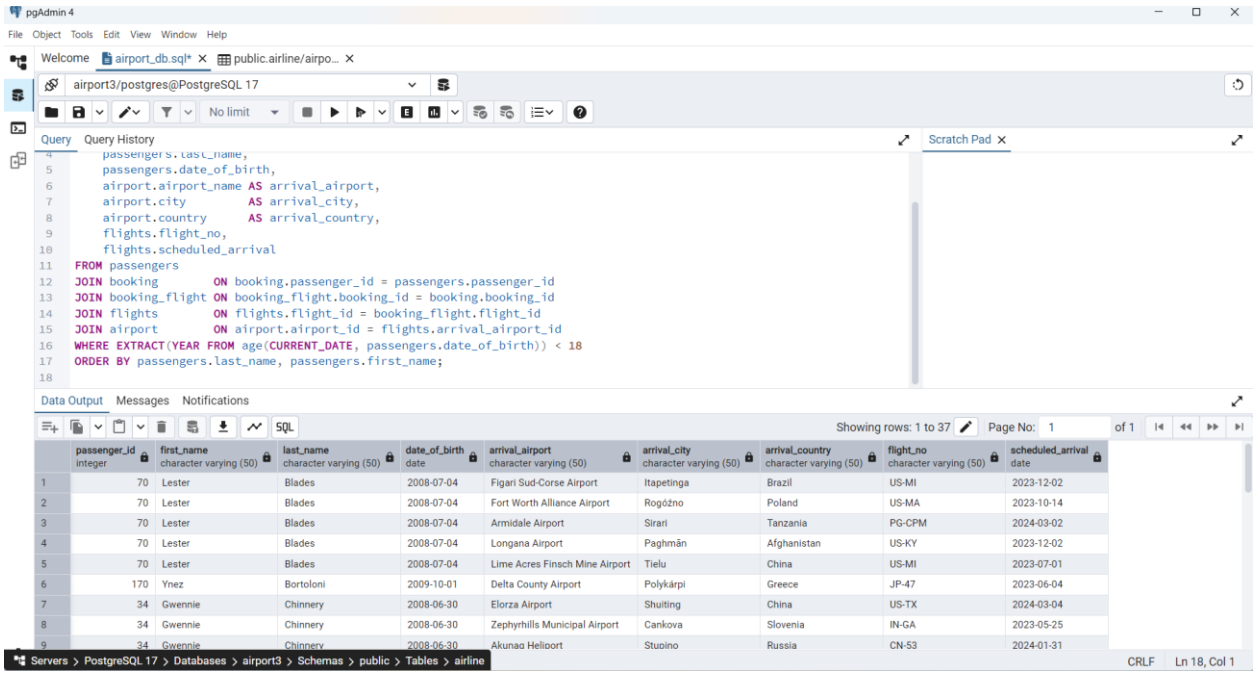
5. Write a query that calculates the average, total, maximum and minimum price of tickets for each flight.



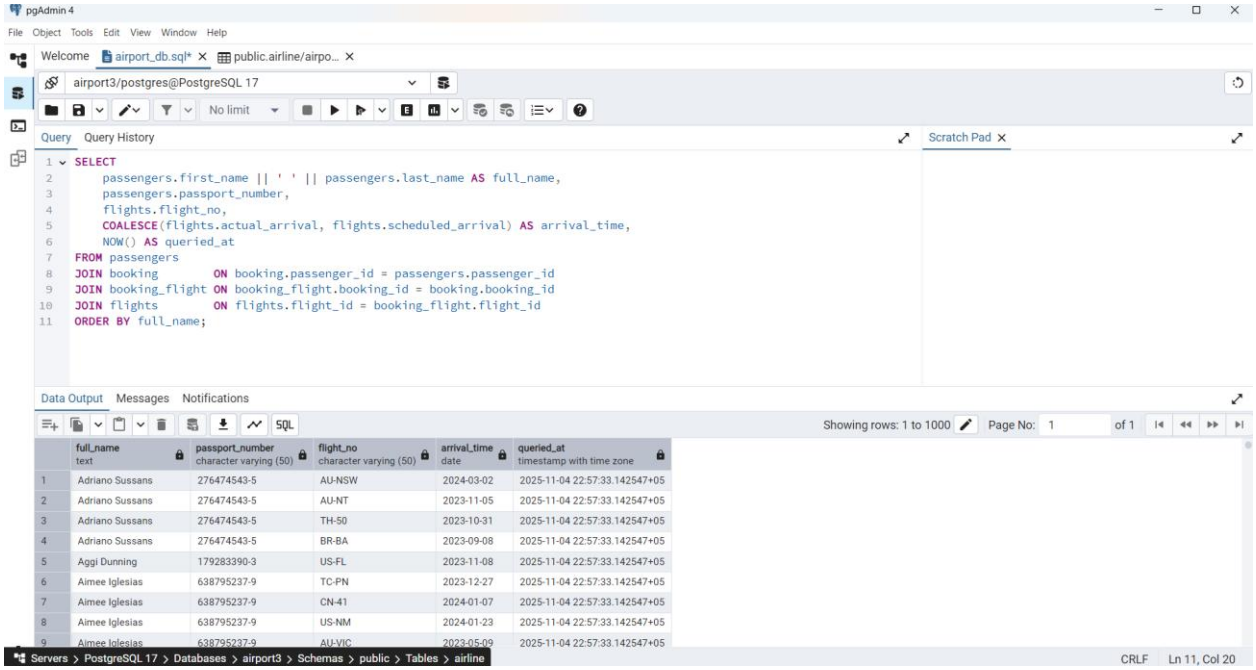
6. Create a query that shows all flights flying to a specific country by combining flights, airports and airline, and using the condition on the country name.



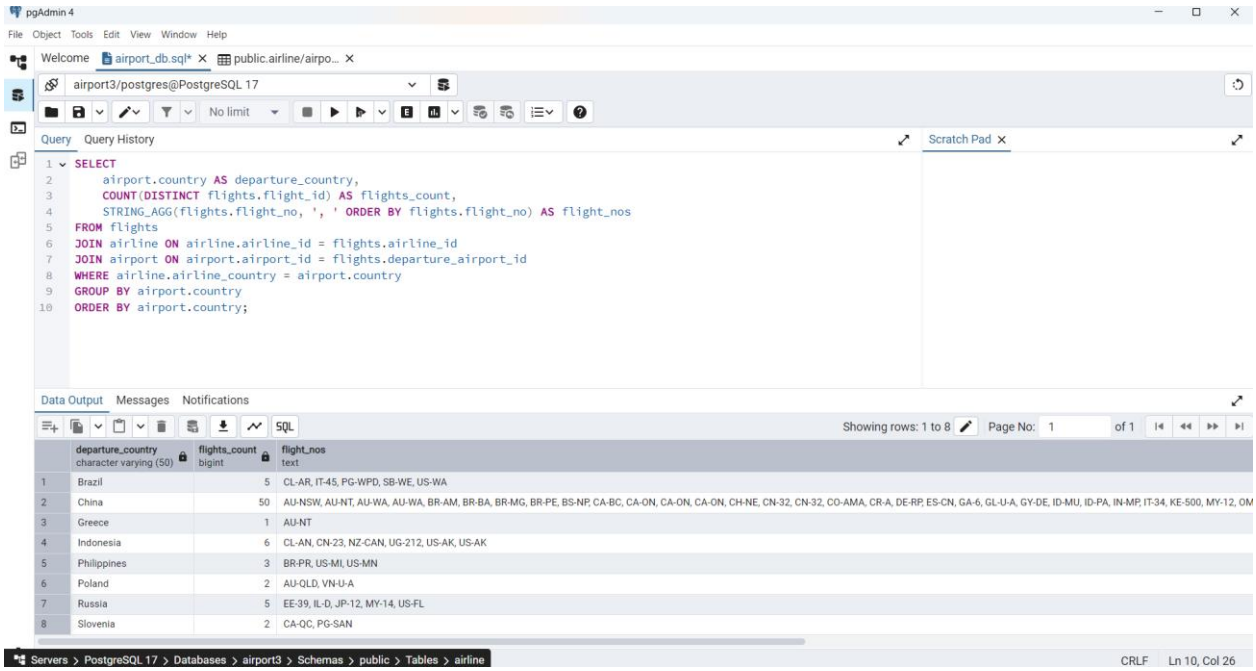
7. Display a list of minor passengers and their arrival destination.



8. Display the passenger's full name, passport number, and the passenger's current time of arrival at the destination.



9. Print a list of flights where the airline's home country and origin country are the same. Group them by the airport country.


pgAdmin 4
File Object Tools Edit View Window Help
Welcome
airport_db.sql*
public.airline/airpo...
airport3/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
SELECT
airport.country AS departure_country,
COUNT(DISTINCT flights.flight_id) AS flights_count,
STRING_AGG(flights.flight_no, ', ' ORDER BY flights.flight_no) AS flight_nos
FROM flights
JOIN airline ON airline.airline_id = flights.airline_id
JOIN airport ON airport.airport_id = flights.departure_airport_id
WHERE airline.airline_country = airport.country
GROUP BY airport.country
ORDER BY airport.country;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 8
Page No: 1
of 1
departure_country character varying (50)
flights_count bigint
flight_nos text
1 Brazil 5 CL-AR, IT-45, PG-WPD, SB-WE, US-WA
2 China 50 AU-NSW, AU-NT, AU-WA, AU-WA, BR-AM, BR-BA, BR-MG, BR-PE, BS-NP, CA-BC, CA-ON, CA-ON, CA-ON, CH-NE, CN-32, CN-32, CO-AMA, CR-A, DE-RP, ES-CN, GA-6, GL-U-A, GY-DE, ID-MU, ID-PA, IN-MP, IT-34, KE-500, MY-12, OM
3 Greece 1 AU-NT
4 Indonesia 6 CL-AN, CN-23, NZ-CAN, UG-212, US-AK, US-AK
5 Philippines 3 BR-PR, US-MI, US-MN
6 Poland 2 AU-QLD, VN-U-A
7 Russia 5 EE-39, IL-D, JP-12, MY-14, US-FL
8 Slovenia 2 CA-QC, PG-SAN
Servers > PostgreSQL 17 > Databases > airport3 > Schemas > public > Tables > airline
CRLF
Ln 10, Col 26