

pgAdmin 4 Object Tools Edit View Window Help

pgAdmin 4 labw2/postgres@PostgreSQL_17* public.flights/labw... public.airport/lab... Wed 29 Oct 14:49:28

Object Explorer

Query Query History

```
--2
2 v select f.flight_id,d.airport_name as departure_airport,f.sch_departure_time
3   from flights f join airport d on f.departing_airport_id=d.airport_id;
```

Data Output Messages Notifications

	flight_id	departure_airport	sch_departure_time
1	1	Airport_1	2025-09-28 20:26:13.913134
2	2	Airport_1	2025-09-28 20:26:13.913134
3	3	Airport_1	2025-09-28 20:26:13.913134
4	4	Airport_1	2025-09-28 20:26:13.913134

Total rows: 200 Query complete 00:00:00.069 LF Ln 4, Col 1

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left sidebar displays the Object Explorer with various database objects like Event Triggers, Extensions, Foreign Data Wrappers, Languages, Publications, Schemas (with 'public' selected), and Tables (10). The 'Tables' section has 'airline', 'airport', and 'flights' highlighted. The main pane shows a query window with the following SQL code:

```
--2
2 v select f.flight_id,d.airport_name as departure_airport,f.sch_departure_time
3   from flights f join airport d on f.departing_airport_id=d.airport_id;
```

The results are displayed in a table titled 'Data Output' with three columns: flight_id, departure_airport, and sch_departure_time. The table contains four rows, each with a flight ID of 1, 2, 3, or 4, departing from 'Airport_1' at the timestamp '2025-09-28 20:26:13.913134'. The status bar at the bottom indicates 'Total rows: 200' and 'Query complete 00:00:00.069'.

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4 labw2/postgres@PostgreSQL 17* public.airline/labw... public.flights/labw... ;

Object Explorer Query History

```
1 ✓ select f.flight_id,f.sch_departure_time,f.sch_arrival_time,f.departing_airport_id,
2   f.arriving_airport_id,a.airline_name
3   from flights f join airline a on f.airline_id=a.airline_id where a.airline_name='Airline_1';
4
```

Tables (10)

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check

Data Output Messages Notifications

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	airline_name
1	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134	1	2	Airline_1
2	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134	1	2	Airline_1
3	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134	1	2	Airline_1
4	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134	1	2	Airline_1

Total rows: 200 Query complete 00:00:00.090



pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4

Object Explorer labw2/postgres@PostgreSQL 17* public.passengers... public.booking/lab... Query History

1 --4
2 select p.first_name ,p.last_name from passengers p join booking b on p.passenger_id=b.passenger_id where b.flight_id=1;

Data Output Messages Notifications

	first_name	last_name
1	Name_1	Surname_1
2	Name_1	Surname_1
3	Name_1	Surname_1
4	Name_1	Surname_1

Total rows: 200 Query complete 00:00:00.066 LF Ln 2, Col 120

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying a tree structure of database objects like Schemas, Tables, and Functions. The 'Tables' node under 'public' is expanded, and the 'booking' table is selected. The main pane contains a SQL query window with the following code:

```
--4
select p.first_name ,p.last_name from passengers p join booking b on p.passenger_id=b.passenger_id where b.flight_id=1;
```

Below the query window is a Data Output grid showing four rows of results:

	first_name	last_name
1	Name_1	Surname_1
2	Name_1	Surname_1
3	Name_1	Surname_1
4	Name_1	Surname_1

The status bar at the bottom indicates "Total rows: 200 Query complete 00:00:00.066". The Mac OS X dock is visible at the bottom of the screen.

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4

Object Explorer Servers(1) PostgreSQL 17 Databases(5) Phonebook def lab2 labw2 Casts Catalogs Event Triggers Extensions Foreign Data Wrappers Languages Publications Schemas(1) public Aggregates Collations Domains FTS Configurations FTS Dictionaries FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Operators Procedures Sequences Tables(10) airline airport baggage baggage_check

Query History

```
1 v select a.airline_name from airline a left join flights f on a.airline_id=f.airline_id and f.sch_departure_time between now() and
2 (now() + interval '1 month') where f.flight_id is null;
3 --3
```

Data Output Messages Notifications

Showing rows: 1 to 201 Page No: 1 of 1

	airline_name
1	Airline_1
2	Airline_2
3	Airline_3
4	Airline_4

Total rows: 201 Query complete 00:00:00.145

LF Ln 3, Col 4

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying a tree structure of database objects. The 'Tables' node under 'labw2' is expanded, showing 'airline', 'airport', 'baggage', and 'baggage_check'. The 'airline' table is selected. The right pane contains a SQL editor with a query window titled 'labw2/postgres@PostgreSQL 17'. The query retrieves airline names from the 'airline' table, joining it with the 'flights' table and filtering by departure time between now() and one month ago, where the flight ID is null. The results are displayed in a data grid with four rows labeled 1 through 4, each containing an airline name: Airline_1, Airline_2, Airline_3, and Airline_4. The status bar at the bottom indicates 201 total rows and a query completion time of 00:00:00.145.

pgAdmin 4 Object Tools Edit View Window Help

63% US Tue 4 Nov 20:49:19

pgAdmin 4

labw2/postgres@PostgreSQL_17* public.flights/labw... public.airport/labw... public.airline/labw...

Query History

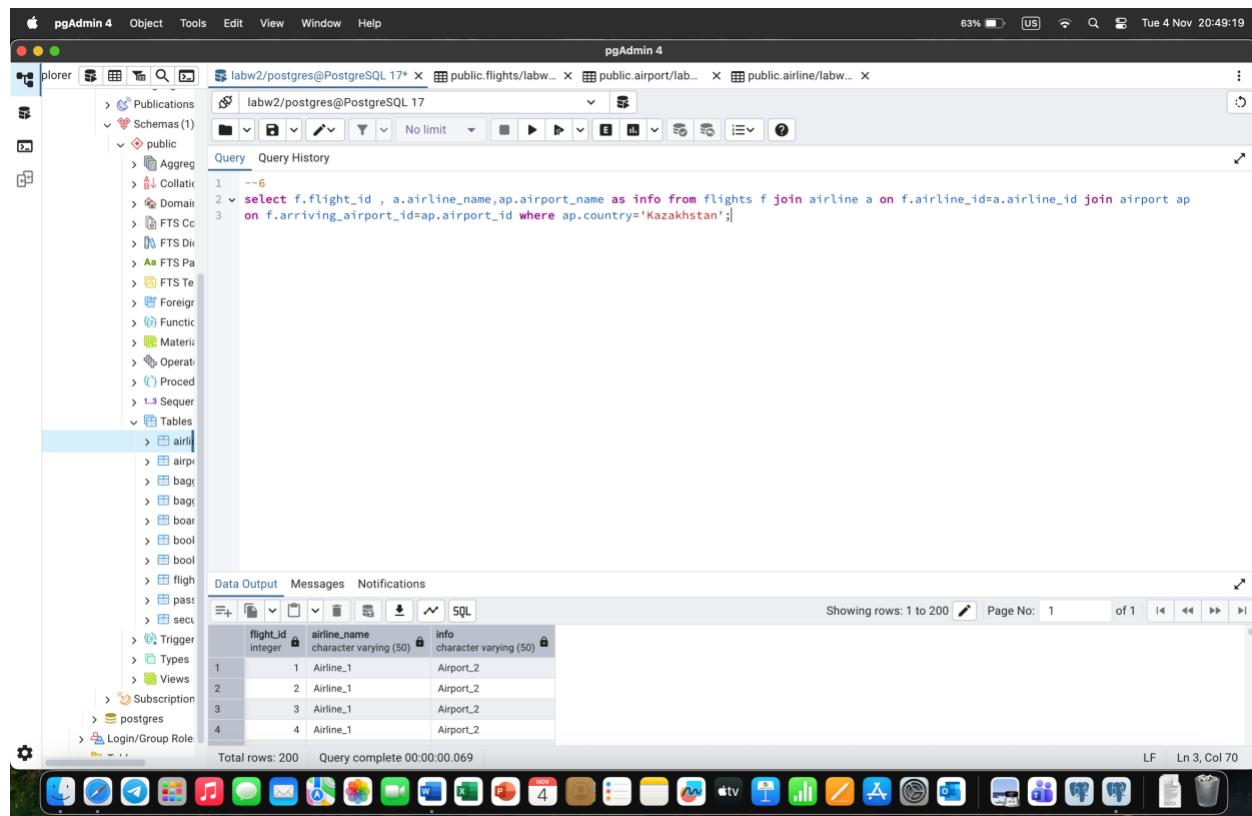
```
--6
2 v select f.flight_id , a.airline_name,ap.airport_name as info from flights f join airline a on f.airline_id=a.airline_id join airport ap
3 on f.arriving_airport_id=ap.airport_id where ap.country='Kazakhstan';
```

Tables

	flightId	airline_name	info
1	1	Airline_1	Airport_2
2	2	Airline_1	Airport_2
3	3	Airline_1	Airport_2
4	4	Airline_1	Airport_2

Total rows: 200 Query complete 00:00:00.069

LF Ln 3, Col 70



pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4 labw2/postgres@PostgreSQL 17* public.passenger... public.booking/lab... Query History

Object Explorer Schemas(1) public Aggregates Collations Domains FTS Configurations FTS Dictionaries FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Operators Procedures 1.3 Sequences Tables(10) airline airport baggage baggage_check boarding_pass booking booking_flight flights passengers security_check Trigger Functions Types Views Subscriptions postgres Login/Group Roles Tablespaces

Query

```
--5
select flight_id,avg(ticket_price) as average,sum(ticket_price) as total,max(ticket_price) as maxi,min(ticket_price) as minn
from booking group by flight_id;
```

Data Output Messages Notifications

	flight_id	average	total	max	min
1	1	11615.575000000000	2323115.00	11730.00	11501.15

Total rows: 1 Query complete 00:00:00.080 LF Ln 3, Col 33

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The main window displays a query in the SQL tab of a query editor. The query retrieves statistical information (average, total, max, min) for each flight ID from the 'booking' table, grouped by flight ID. The results are presented in a table with six columns: flight_id, average, total, max, and min. A single row is shown, corresponding to flight ID 1. The pgAdmin interface includes an object explorer on the left, a toolbar at the top, and a menu bar at the very top. The desktop's Dock is visible at the bottom, showing various application icons.

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4 labw2/postgres@PostgreSQL 17* public.flights/labw... public.airline/labw... public.passengers... public.booking/lab... Tue 4 Nov 21:15:23

Object Explorer Publications Schemas(1) public Aggregates Collations Domains FTS Configurations FTS Dictionaries FTS Parsers FTS Templates Foreign Tables Functions Materialized Views Operators Procedures Sequences Tables(10) airline airport baggage baggage_check boarding_pass booking booking_flight flights passengers security_check Trigger Functions Types Views Subscriptions postgres Login/Group Roles Tablespaces

Query History

```
--8
select (p.first_name || p.last_name) as fullname,p.passport_number,f.act_arrival_time from passengers p join booking b on p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id;
```

Data Output Messages Notifications

	fullname	passport_number	act_arrival_time
1	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
2	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
3	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
4	Name_1Surname_1	P1	2025-09-28 22:26:13.913134

Total rows: 200 Query complete 00:00:00.056 LF Ln 3, Col 43

```
--8
select (p.first_name || p.last_name) as fullname,p.passport_number,f.act_arrival_time from passengers p join booking b on p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id;
```

	fullname	passport_number	act_arrival_time
1	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
2	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
3	Name_1Surname_1	P1	2025-09-28 22:26:13.913134
4	Name_1Surname_1	P1	2025-09-28 22:26:13.913134

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pgAdmin 4

Object Explorer

labw2/postgres@PostgreSQL 17* public.flights/labw... public.airport/lab... public.airline/labw... public.passengers...

Query History

```
--7
select p.first_name , p.last_name ,ap.airport_name as arrival_destination from passengers p join booking b on
p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id join airport ap on f.arriving_airport_id=ap.airport_id
where age(p.date_of_birth)<interval '18 years';
```

Data Output Messages Notifications

first_name	last_name	arrival_destination
------------	-----------	---------------------

Total rows: 0 Query complete 00:00:00.066 LF Ln 4, Col 48

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The main window has tabs for 'labw2/postgres@PostgreSQL 17*', 'public.flights/labw...', 'public.airport/lab...', 'public.airline/labw...', and 'public.passengers...'. The 'Query History' tab is active, displaying a multi-line SQL query. The query uses joins between 'passenger', 'booking', and 'flights' tables to filter passengers under 18 years old. Below the query is a 'Data Output' panel with a table header for 'first_name', 'last_name', and 'arrival_destination', but no data rows. The status bar at the bottom indicates 'Total rows: 0' and 'Query complete 00:00:00.066'. The pgAdmin toolbar at the top includes icons for Object Explorer, Schemas, Tables, Functions, Procedures, Sequences, and Views. The Mac OS X Dock is visible at the bottom, showing various application icons.

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4

Object Explorer labw2/postgres@PostgreSQL 17* public.flights/labw... public.airline/labw... public.airport/lab... ;

Query History

```
--9
select f.flight_id, a.airline_name, ap.country as origin_country from flights f join airline a on f.airline_id=a.airline_id
join airport ap on f.departing_airport_id=ap.airport_id where a.airline_country=ap.country
group by f.flight_id, a.airline_name, ap.country;
```

Data Output Messages Notifications

	flight_id	airline_name	origin_country
1	75	Airline_1	Kazakhstan
2	57	Airline_1	Kazakhstan
3	156	Airline_1	Kazakhstan
4	194	Airline_1	Kazakhstan

Total rows: 200 Query complete 00:00:00.088

LF | Ln 2, Col 79

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying various database objects like Schemas, Tables, and Functions. The 'Tables' section is expanded, showing 'airline', 'airport', and other tables. The 'airport' table is currently selected. The right pane contains a SQL query editor with a history of previous queries. A specific query is run, which joins the 'flights' table with 'airline' and 'airport' tables to find flights originating from Kazakhstan. The results are displayed in a table titled 'Data Output', showing four rows of data. The status bar at the bottom indicates the query completed in 0.088 seconds. The Mac OS X dock is visible at the bottom, showing various application icons.