

pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17* x public.flights/labw... x public.airport/labw... x

labw2/postgres@PostgreSQL 17

Object Explorer

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- Extensions
- Foreign Data Wrappers
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 - Trigger Functions
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Query Query History

```
1 --2
2 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;
4
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

flight_id	departure_airport	sch_departure_time
integer	character varying (50)	timestamp without time zone
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

pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17* X public.airline/labw... X public.flights/labw...

Query 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
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	flight_id integer	sch_departure_time timestamp without time zone	sch_arrival_time timestamp without time zone	departing_airport_id integer	arriving_airport_id integer	airline_name character varying (50)
1	1	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134		1	2 Airline_1
2	2	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134		1	2 Airline_1
3	3	2025-09-28 20:26:13.913134	2025-09-28 22:26:13.913134		1	2 Airline_1
4	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 LF Ln 3, Col 91

pgAdmin 4 Object Tools Edit View Window Help 66% US Tue 4 Nov 20:27:47

labw2/postgres@PostgreSQL 17* public.passengers... public.booking/lab...

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- postgres
 - Login/Group Roles
 - Tablespaces

Query 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

Showing rows: 1 to 200 Page No: 1 of 1

	first_name character varying (50)	last_name character varying (50)
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

pgAdmin 4 Object Tools Edit View Window Help 67% US Tue 4 Nov 20:07:06

pgAdmin 4

labw2/postgres@PostgreSQL 17*

labw2/postgres@PostgreSQL 17

Query Query History

```
1 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 character varying (50)
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 web interface. On the left is the 'Object Explorer' tree, showing a hierarchy of databases and schemas. The 'labw2' database is selected, and the 'public' schema is expanded, showing various database objects like aggregates, collations, domains, etc. The main pane displays a SQL query that selects airline names from the 'airline' table, left-joining with the 'flights' table. The query filters for flights that have not occurred within the last month. The results pane at the bottom shows the first four rows of the result set, which are 'Airline_1', 'Airline_2', 'Airline_3', and 'Airline_4'. The status bar at the bottom indicates that the query completed successfully in 0.145 seconds and returned 201 rows.

pgAdmin 4 Object Tools Edit View Window Help 63% US Tue 4 Nov 20:49:19

pgAdmin 4

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

labw2/postgres@PostgreSQL 17

Query Query History

```
1 --6
2 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

- airli
- airpr
- bag
- bag
- boar
- bool
- bool
- fligh
- past
- secc
- Trigger
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Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	flight_id integer	airline_name character varying (50)	info character varying (50)
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 65% US Tue 4 Nov 20:33:10

labw2/postgres@PostgreSQL 17* public.passengers... public.booking/lab...

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Query Query History

```
1 --5
2 select flight_id, avg(ticket_price) as average, sum(ticket_price) as total, max(ticket_price) as maxi, min(ticket_price) as minn
3 from booking group by flight_id;
```

Data Output Messages Notifications

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

flight_id	average	total	maxi	minn
integer	numeric	numeric	numeric	numeric
1	11615.575000000000	2323115.00	11730.00	11501.15

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

pgAdmin 4 Object Tools Edit View Window Help 61% US Tue 4 Nov 21:15:23

pgAdmin 4

labw2/postgres@PostgreSQL 17* X public.flights/labw... X public.airline/labw... X public.passengers... X public.booking/labw... X

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labw2/postgres@PostgreSQL 17

Query Query History

```
1 --8
2 select (p.first_name || p.last_name) as fullname,p.passport_number,f.act_arrival_time from passengers p join booking b on
3 p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id;
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	fullname text	passport_number character varying (20)	act_arrival_time timestamp without time zone
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

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pgAdmin 4

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

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Query Query History

```
1 --7
2 select p.first_name , p.last_name ,ap.airport_name as arrival_destination from passengers p join booking b on
3 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
4 where age(p.date_of_birth)<interval '18 years';
```

Data Output Messages Notifications

first_name	last_name	arrival_destination
character varying (50)	character varying (50)	character varying (50)

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

pgAdmin 4 Object Tools Edit View Window Help 60% US Tue 4 Nov 21:27:38

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

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Query Query History

```
1 --9
2 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
3 join airport ap on f.departing_airport_id=ap.airport_id where a.airline_country=ap.country
4 group by f.flight_id, a.airline_name, ap.country;
```

Data Output Messages Notifications

Showing rows: 1 to 200 Page No: 1 of 1

	flight_id integer	airline_name character varying (50)	origin_country character varying (50)
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