

pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17\* X

labw2/postgres@PostgreSQL 17

Query Query History

```
1 --2
2 select replace(airline_name,'Air','Aero') as new_name from airline;
```

Data Output Messages Notifications

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

	new_name
1	Aeroline_1
2	Aeroline_2
3	Aeroline_3
4	Aeroline_4

Total rows: 201 Query complete 00:00:00.131 LF Ln 2, Col 68

The screenshot shows the pgAdmin 4 web interface. On the left is the 'Object Explorer' tree, showing a hierarchy from 'Servers' to 'Databases' to 'labw2' and then to 'Schemas' and 'Tables'. The 'airline' table is selected. The main pane shows a SQL query: 'select replace(airline\_name,'Air','Aero') as new\_name from airline;'. Below the query editor is the 'Data Output' tab, which displays the results of the query in a table with two columns: an implicit ID and 'new\_name'. The first four rows are visible, showing 'Aeroline\_1' through 'Aeroline\_4'. The status bar at the bottom indicates 'Total rows: 201' and 'Query complete 00:00:00.131'. The macOS dock is visible at the very bottom.

pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17\*

labw2/postgres@PostgreSQL 17

Query Query History

```
1 --1
2 select upper(airline_name) as upperairlinename from airline;
```

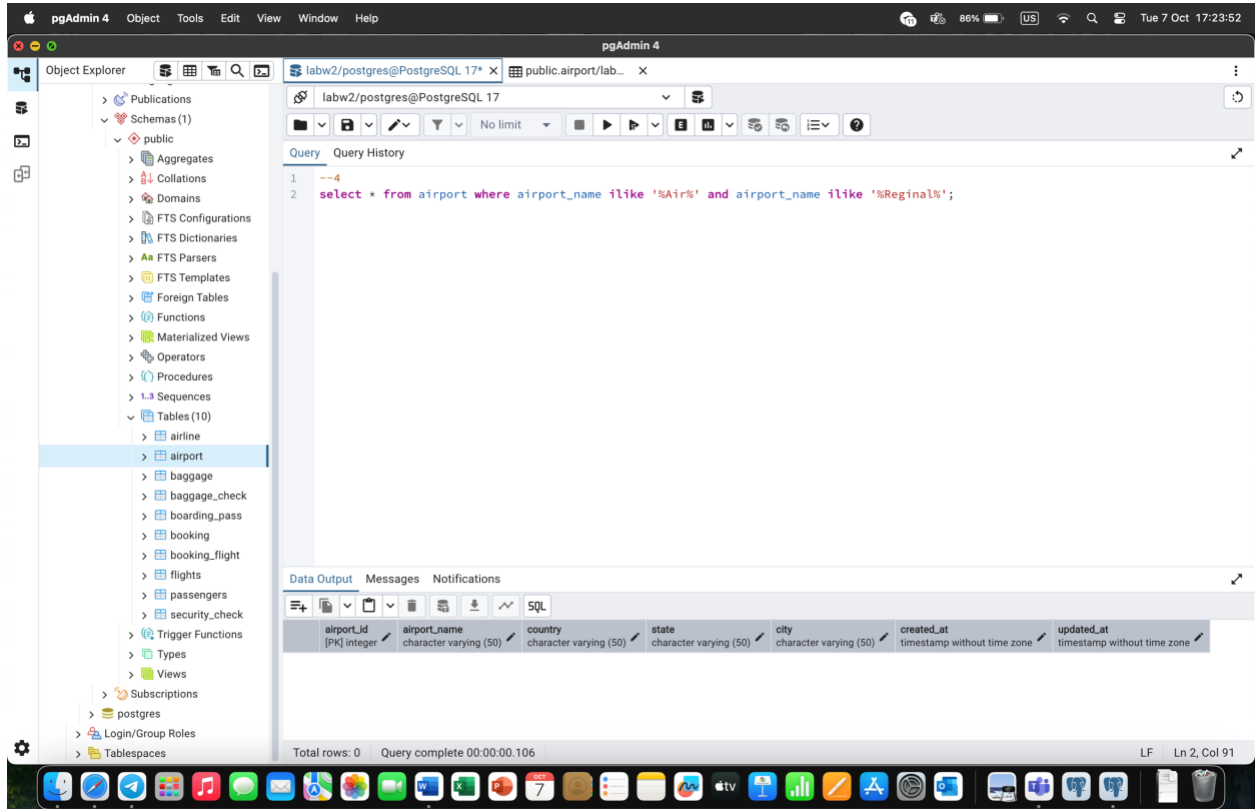
Data Output Messages Notifications

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

	upperairlinename text
1	AIRLINE_1
2	AIRLINE_2
3	AIRLINE_3
4	AIRLINE_4

Total rows: 201 Query complete 00:00:00.233 LF Ln 2, Col 61

The screenshot shows the pgAdmin 4 web interface. On the left, the 'Object Explorer' pane displays a tree structure of the database. The 'labw2' database is selected, showing its various components like casts, catalogs, and tables. The main pane shows a SQL query that uses the 'upper' function to convert the 'airline\_name' column to uppercase. The 'Data Output' pane at the bottom shows the results of this query, which are four rows of uppercase airline names. The interface includes a top menu bar, a toolbar with various icons for database management, and a status bar at the bottom showing the number of rows and the completion time of the query.



pgAdmin 4 Object Tools Edit View Window Help

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

labw2/postgres@PostgreSQL 17

No limit

Query Query History

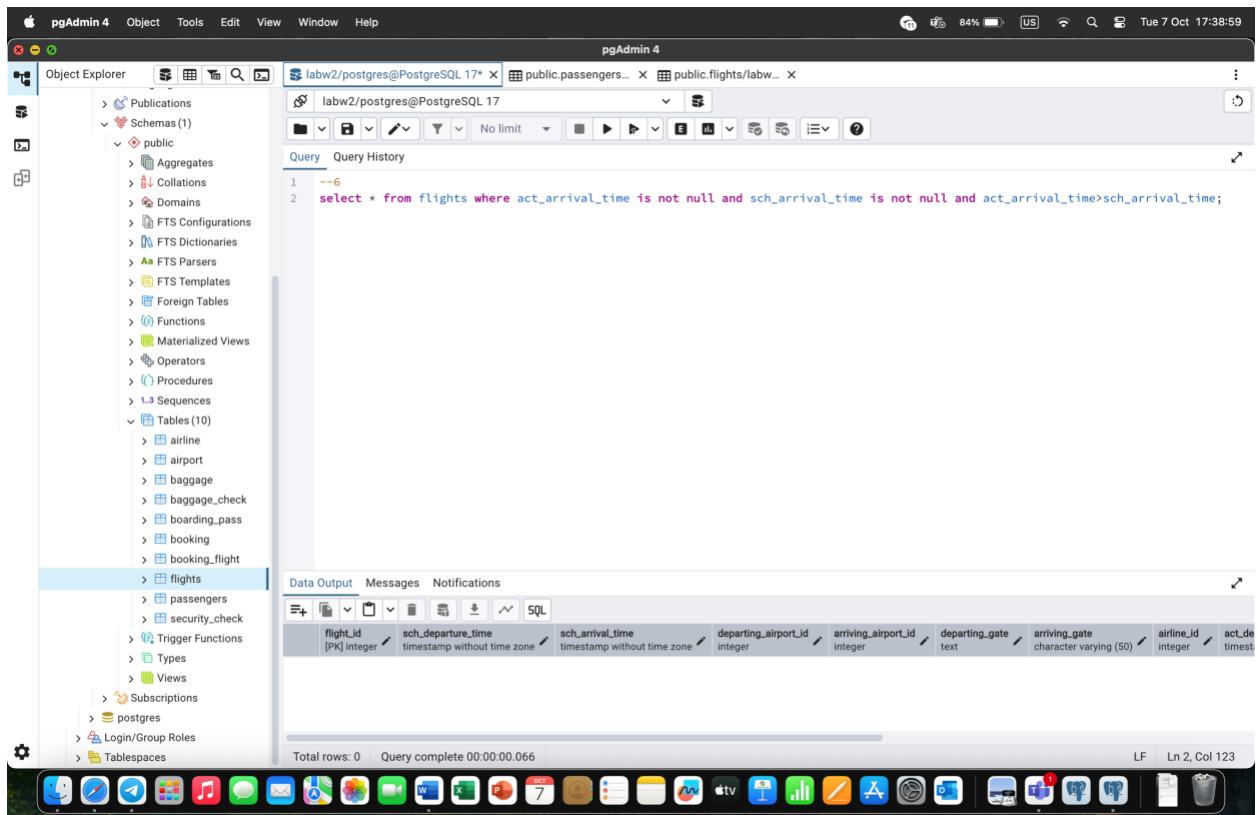
```
1 --3
2 select * from flights where airline_id=1 intersect select * from flights where airline_id=2;
```

Data Output Messages Notifications

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate	airline_id	act_depar
integer	timestamp without time zone	timestamp without time zone	integer	integer	text	character varying (50)	integer	timestamp

Total rows: 0 Query complete 00:00:00.069

LF Ln 2, Col 93



pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17\* X public.passengers... X

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 Query History

```
--5
select first_name || ' ' || last_name as passenger_fullname, to_char(date_of_birth,'Month DD, YYYY') as birthday from passengers;
```

Data Output Messages Notifications

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

	passenger_fullname text	birthday text
1	Name_1 Surname_1	January 01, 1...
2	Name_2 Surname_2	January 01, 1...
3	Name_3 Surname_3	January 01, 1...
4	Name_4 Surname_4	January 01, 1...

Total rows: 200 Query complete 00:00:00.063

LF Ln 2, Col 130

pgAdmin 4 Object Tools Edit View Window Help

labw2/postgres@PostgreSQL 17\* x public.passengers... x public.flights/labw... x public.booking/labw... x

labw2/postgres@PostgreSQL 17

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
- postgres
  - Subscription
  - Login/Group Roles
  - Tablespaces

Query

```
--8
1 select ticket_price,
2 case
3 when ticket_price < 100 then 'Cheap'
4 when ticket_price between 100 and 300 then 'Medium'
5 else 'Expensive'
6 end as categorization
7 from booking;
```

Data Output Messages Notifications

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

	ticket_price numeric (7,2)	categorization text
1	11501.15	Expensive
2	11502.30	Expensive
3	11503.45	Expensive
4	11504.60	Expensive

Total rows: 200 Query complete 00:00:00.103 LF Ln 8, Col 14

pgAdmin 4 Object Tools Edit View Window Help

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

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 Query History

```
--7
2 select first_name || ' ' || last_name as full_name , extract (year from age(current_date,date_of_birth))::int as ages,
3 case
4 when extract(year from age(current_date,date_of_birth)) between 18 and 35 then 'Young'
5 when extract(year from age(current_date,date_of_birth)) between 36 and 55 then 'Adult'
6 else 'Other'
7 end as age_gr
8 from passengers
```

Data Output Messages Notifications

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

	full_name text	ages integer	age_gr text
1	Name_1 Surname_1	45	Adult
2	Name_2 Surname_2	45	Adult
3	Name_3 Surname_3	45	Adult
4	Name_4 Surname_4	45	Adult

Total rows: 200 Query complete 00:00:00.088

LF Ln 8, Col 16



pgAdmin 4 Object Tools Edit View Window Help

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

labw2/postgres@PostgreSQL 17

No limit

Query Query History

```
1 --9
2 select airline_country, count(*) as airline_count from airline group by airline_country;
```

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

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	airline_country character varying (50)	airline_count bigint
1	kazakhstan	1
2	Kazakhstan	200

Servers > PostgreSQL 17 > Databases > labw2 > Schemas > public > Tables > airline 0:00.072 LF Ln 2, Col 88

