

pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql*

lab3/ruslan@RuslanUser No limit

Query History

```
1 CREATE VIEW flights_by_date AS
2 SELECT *
3 FROM flights
4 WHERE DATE(scheduled_departure) = CURRENT_DATE;
```

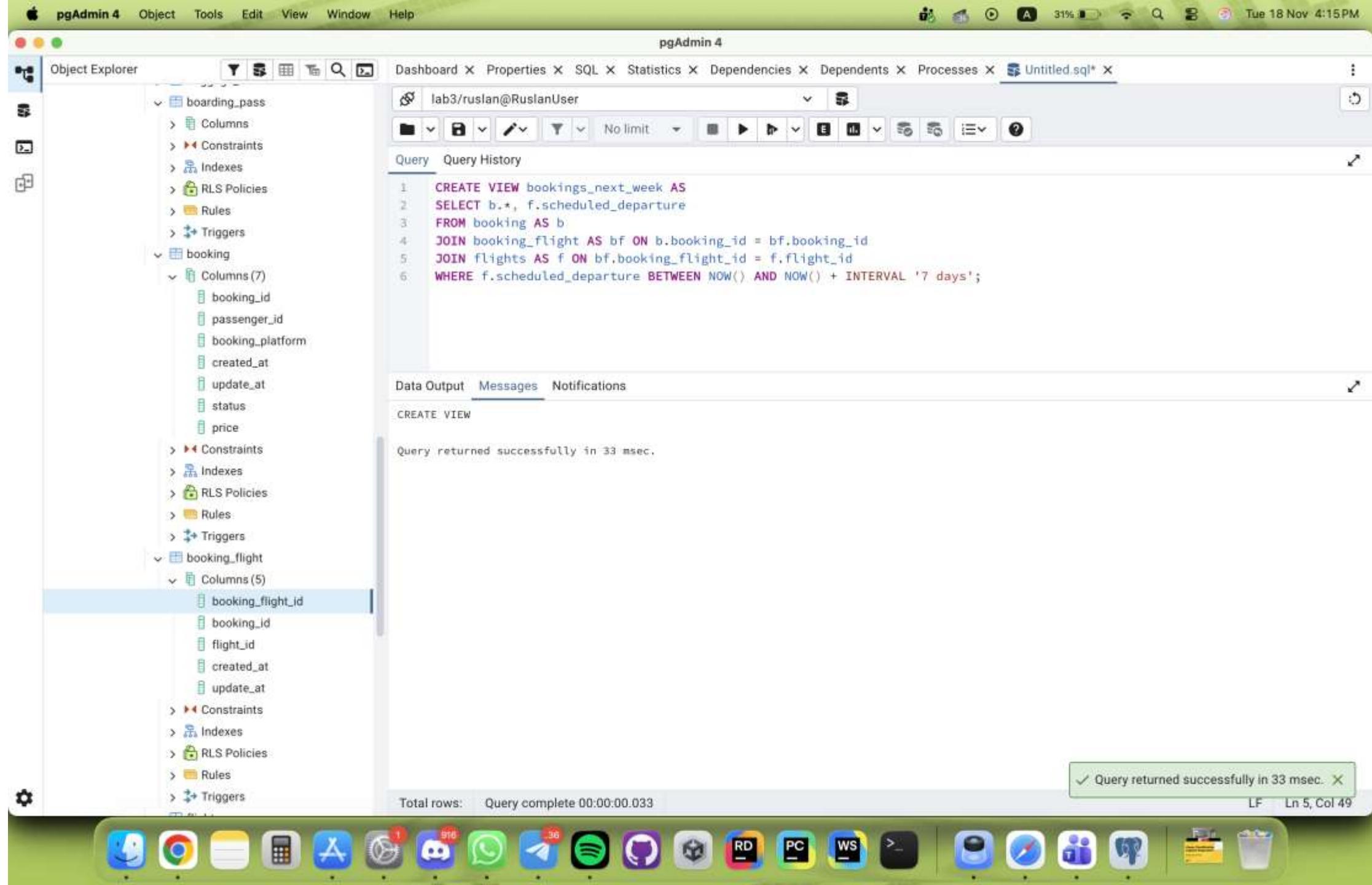
Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 29 msec.

Total rows: Query complete 00:00:00.029 ✓ Query returned successfully in 29 msec. LF Ln 4, Col 48

Servers (1)
RuslanUser
Databases (4)
Instagram_bot
lab3
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
Columns (6)
airline_id
airline_code
airline_name
airline_country



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Query History

```
1 CREATE VIEW top_5_routes AS
2   SELECT
3     f.departure_airport_id,
4     f.arrival_airport_id,
5     COUNT(b.booking_id) AS booking_count
6   FROM booking b
7   JOIN booking_flight bf ON b.booking_id = bf.booking_id
8   JOIN flights f ON bf.booking_flight_id = f.flight_id
9   GROUP BY f.departure_airport_id, f.arrival_airport_id
10  ORDER BY booking_count DESC
11  LIMIT 5;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 33 msec.

Total rows: Query complete 00:00:00.033 ✓ Query returned successfully in 33 msec. LF Ln 9, Col 1



pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql*

lab3/ruslan@RuslanUser No limit

Query Query History

```
1 CREATE VIEW flights_by_airline AS
2 SELECT *
3 FROM flights;
4
5 SELECT * FROM flights_by_airline
6 WHERE airline_id = 12;
```

Data Output Messages Notifications

Showing rows: 1 to 22 Page No: 1 of 1

flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport_id	arrival_airport_id	departing_gate	arriving_gate
1	8	US-AZ	2023-07-29	2023-04-08	13	6	5045
2	127	ZA-NL	2023-12-30	2023-04-21	14	7	3548
3	131	RU-ORL	2023-11-05	2023-09-13	13	17	656
4	154	AU-WA	2023-08-26	2023-08-31	13	12	[null]
5	163	US-CA	2023-07-12	2023-10-20	5	5	62
6	165	US-FL	2023-04-30	2023-08-20	1	3	19
7	168	IL-D	2023-03-21	2023-05-24	1	18	249
8	322	MW-BL	2023-11-26	2023-09-13	6	13	2555
9	360	US-NJ	2023-10-20	2023-08-16	7	10	23
...

Total rows: 22 Query complete 00:00:00.061 ✓ Successfully run. Total query runtime: 61 msec. 22 rows affected. LF Ln 4, Col 1

pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql*

lab3/ruslan@RuslanUser

Query History

```
1 CREATE OR REPLACE VIEW flights_by_airline AS
2 SELECT *
3 FROM flights
4 WHERE scheduled_departure BETWEEN NOW() AND NOW() + INTERVAL '7 days';
5
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 20 msec.

Total rows: Query complete 00:00:00.020 ✓ Query returned successfully in 20 msec. LF Ln 1, Col 11

boarding_pass Columns Constraints Indexes RLS Policies Rules Triggers

booking Columns(7) booking_id passenger_id booking_platform created_at update_at status price Constraints Indexes RLS Policies Rules Triggers

booking_flight Columns(5) booking_flight_id booking_id flight_id created_at update_at Constraints Indexes RLS Policies Rules Triggers



pgAdmin 4

Object Explorer Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X Untitled.sql* lab3/ruslan@RuslanUser

Servers (1) Databases (4) Schemas (1) Tables (10)

RuslanUser Instagram_bot lab3 public

Databases (4)

- Instagram_bot
- lab3

Tables (10)

- airline

Columns (6)

- airline_id
- airline_code
- airline_name
- airline_country

Query History

```
CREATE VIEW flights_delayed_24h AS
SELECT *, actual_departure - scheduled_departure AS delay
FROM flights
WHERE (actual_departure - scheduled_departure) > 1;
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 33 msec.

Total rows: Query complete 00:00:00.033

✓ Query returned successfully in 33 msec. ×

LF Ln 5, Col 51

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left sidebar displays the Object Explorer with a tree view of servers, databases, schemas, and tables. The 'lab3' schema is selected. The main pane shows a query editor with a SQL statement to create a view named 'flights_delayed_24h'. The query is executed successfully, and the results show a message indicating the query returned in 33 msec. A status bar at the bottom provides additional information about the query completion.

pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql* lab3/ruslan@RuslanUser

Query History

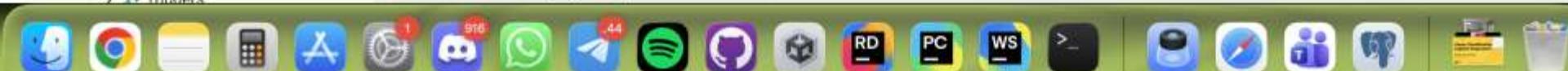
```
1 CREATE VIEW passengers_leffler_thompson AS
2     SELECT
3         p.first_name,
4             p.last_name,
5                 p.country_of_citizenship
6 FROM passengers p
7 JOIN booking b ON p.passenger_id = b.passenger_id
8 WHERE b.booking_platform = 'Leffler-Thompson';
9
10 SELECT * FROM passengers_leffler_thompson;
11
```

Data Output Messages Notifications

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

	first_name	last_name	country_of_citizenship
1	Philbert	Shambroke	Colombia

Total rows: 1 Query complete 00:00:00.033 ✓ Successfully run. Total query runtime: 33 msec. 1 rows affected. LF Ln 11, Col 1



pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql lab3/ruslan@RuslanUser

Query History

```
1 CREATE VIEW top_10_visited_countries AS
2 SELECT a.country, COUNT(b.booking_id) AS visits
3 FROM booking b
4 JOIN booking_flight bf ON b.booking_id = bf.booking_id
5 JOIN flights f ON bf.booking_flight_id = f.flight_id
6 JOIN airport a ON a.airport_id = f.arrival_airport_id
7 GROUP BY a.country
8 ORDER BY visits DESC
9 LIMIT 10;
```

Data Output Messages Notifications

CREATE VIEW

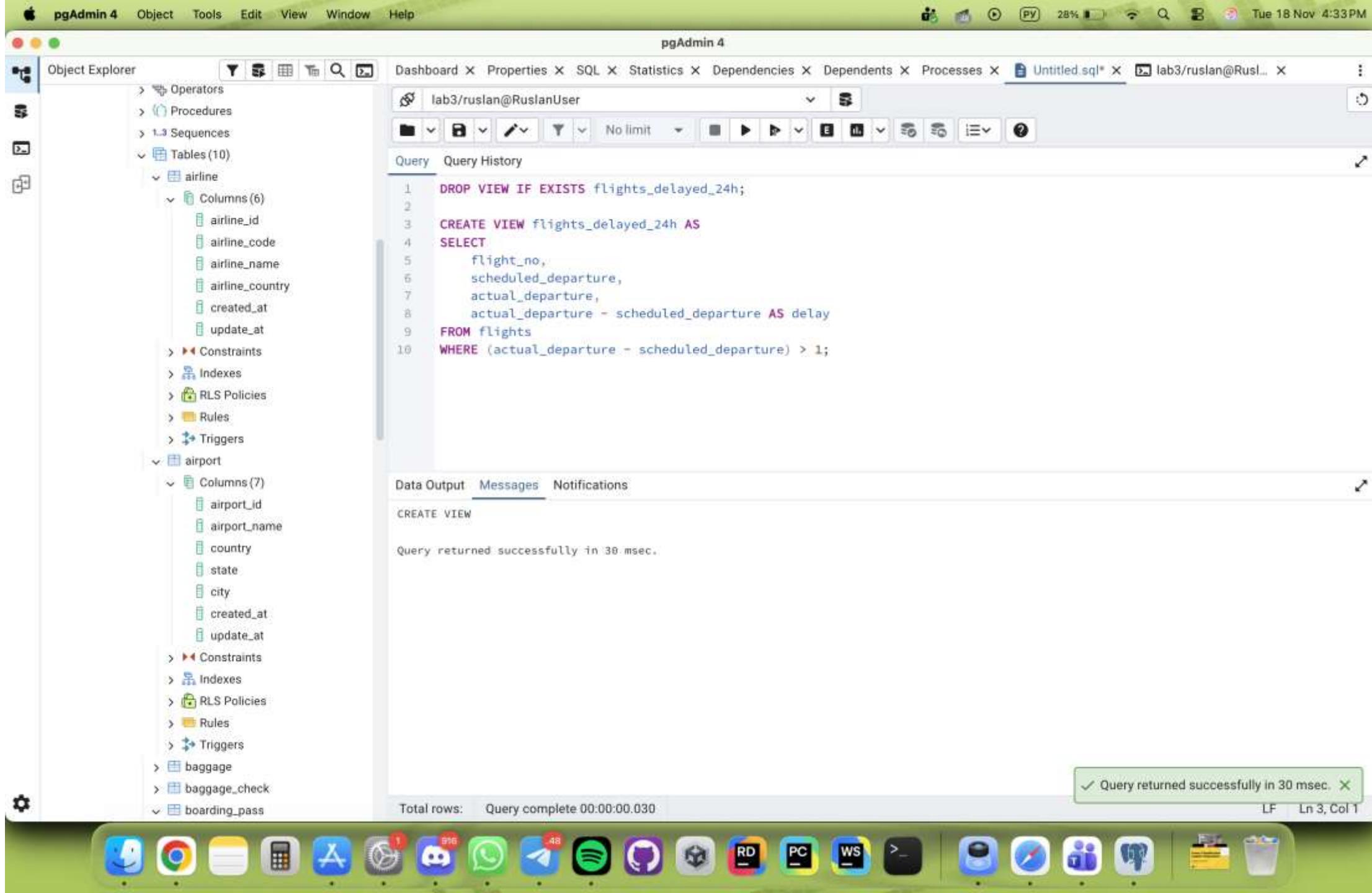
Query returned successfully in 42 msec.

Total rows: Query complete 00:00:00.042 ✓ Query returned successfully in 42 msec. LF Ln 6, Col 13

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left sidebar is the Object Explorer, displaying a tree structure of database objects: Operators, Procedures, Sequences, Tables (10), airline, airport, baggage, baggage_check, and boarding_pass. The airline and airport nodes have their respective columns listed under them. The main pane shows a query editor with the following SQL code:

```
1 CREATE VIEW top_10_visited_countries AS
2 SELECT a.country, COUNT(b.booking_id) AS visits
3 FROM booking b
4 JOIN booking_flight bf ON b.booking_id = bf.booking_id
5 JOIN flights f ON bf.booking_flight_id = f.flight_id
6 JOIN airport a ON a.airport_id = f.arrival_airport_id
7 GROUP BY a.country
8 ORDER BY visits DESC
9 LIMIT 10;
```

Below the code, the Data Output tab is active, showing the message "CREATE VIEW" and the success message "Query returned successfully in 42 msec.". A status bar at the bottom indicates "Total rows: Query complete 00:00:00.042". A notification bar at the bottom right says "✓ Query returned successfully in 42 msec. LF Ln 6, Col 13". The system tray at the bottom of the screen shows various application icons.



pgAdmin 4

Object Explorer Dashboard Properties SQL Statistics Dependencies Dependents Processes Untitled.sql lab3/ruslan@RuslanUser

Query History

```
1 DROP VIEW IF EXISTS
2   flights_by_date,
3   bookings_next_week,
4   flights_by_airline,
5   flights_delayed_24h,
6   passengers_leffler_thompson,
7   top_10_visited_countries;
```

Total rows: Query complete 00:00:00.029 LF Ln 7, Col 30

