

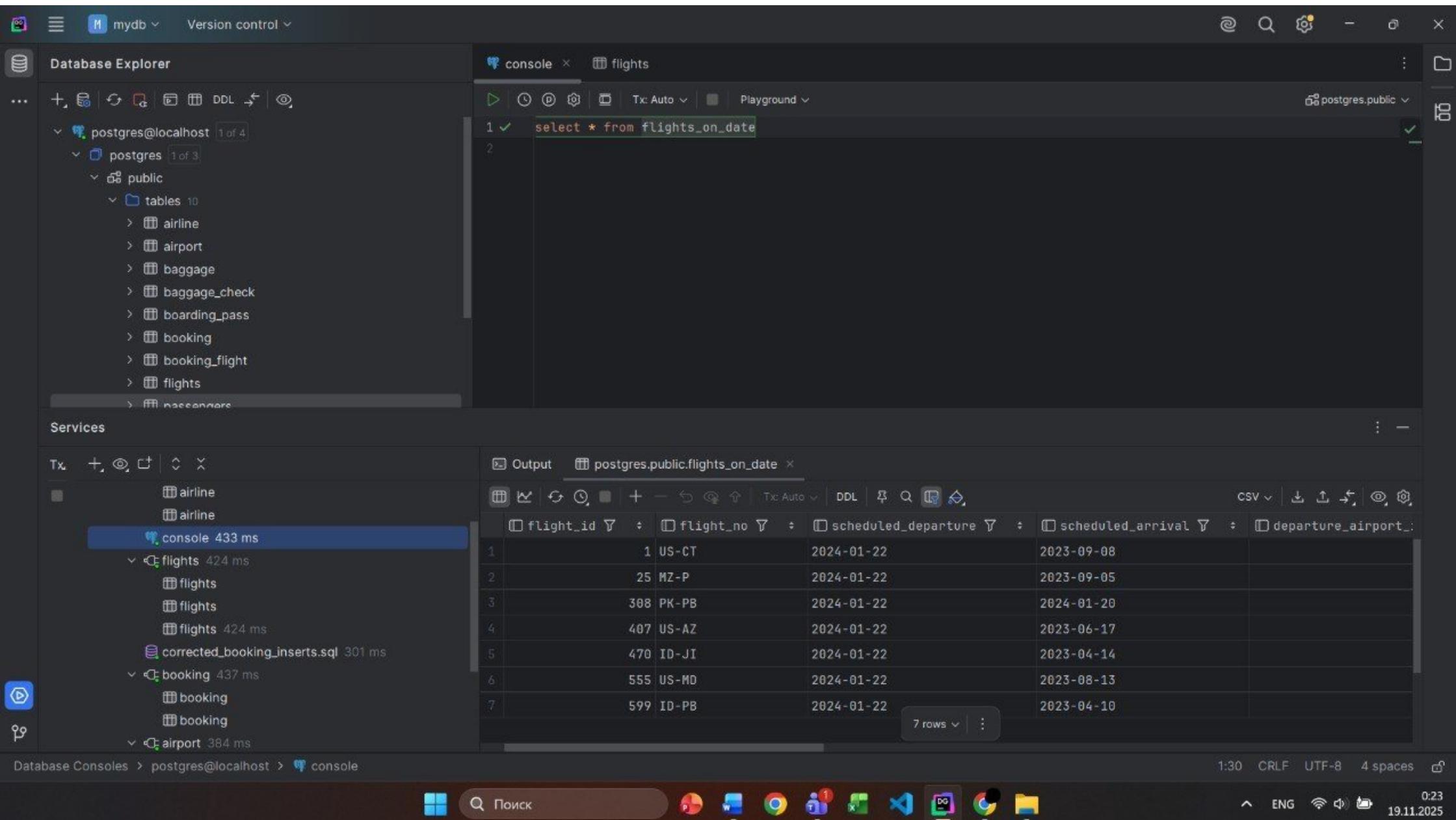
The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the database `mydb` selected. Under the `postgres@localhost` connection, the `public` schema is expanded, revealing tables like `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`. A `views` folder is also listed.
- Console:** The current tab is `console`. The query being run is:

```
1 ✓ create view flights_on_date as
2 select *
3 from flights
4 where scheduled_departure::date = '2024-01-22'
```
- Output:** The results of the query are shown in a table. The table has the following columns:

e_id	status	actual_departure	actual_arrival	created_at	updated_at

There are 0 rows displayed.
- Services:** Shows transaction history with entries like `airline`, `airline`, `console` (18 ms), `flights` (424 ms), `flights`, `flights`, `flights` (424 ms), `corrected_booking_inserts.sql` (301 ms), and `booking` (437 ms).
- Bottom Bar:** Includes a search bar with the text "Полк", system icons for battery, signal, and time (02:22), and a date/time stamp (19.11.2025).



The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the schema of the `postgres` database on `localhost`. The `flights` table under the `public` schema is currently selected.
- Console:** A query is being run in the `console` tab:

```
1 ✓ select * from flights where scheduled_departure > current_date --no sch_dep for the future
```
- Services:** Shows the execution of various SQL files and queries, with times like 405 ms, 424 ms, and 301 ms.
- Bottom Status Bar:** Displays connection information (Database Consoles > postgres@localhost > console), encoding (CRLF), character set (UTF-8), and other system metrics (0:91, 4 spaces).
- System Tray:** Shows icons for search, taskbar, and system status.

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the database structure for `postgres@localhost`. It includes the `public` schema with 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`. There are also 5 views and other objects.
- Console:** A tab titled `console` is active, showing the creation of a view named `airline_flights_next_week`. The query is as follows:

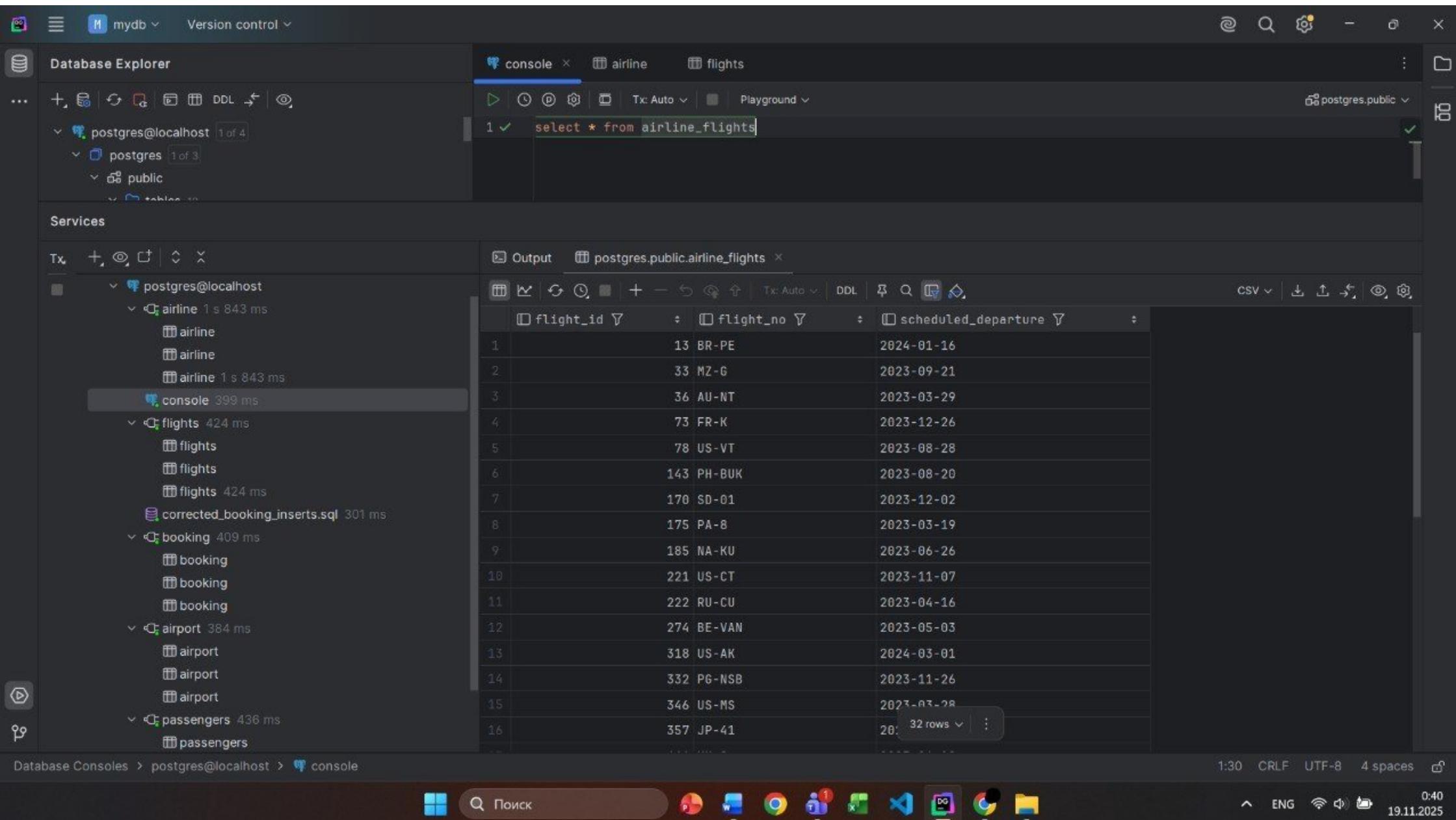
```
create or replace view airline_flights_next_week as
select f.flight_id, f.flight_no, f.scheduled_departure
from flights f
join airline a 1..n->1 on f.airline_id = a.airline_id
where a.airline_name = 'IPC'
and f.scheduled_departure between current_date and current_date + interval '7 days'
```

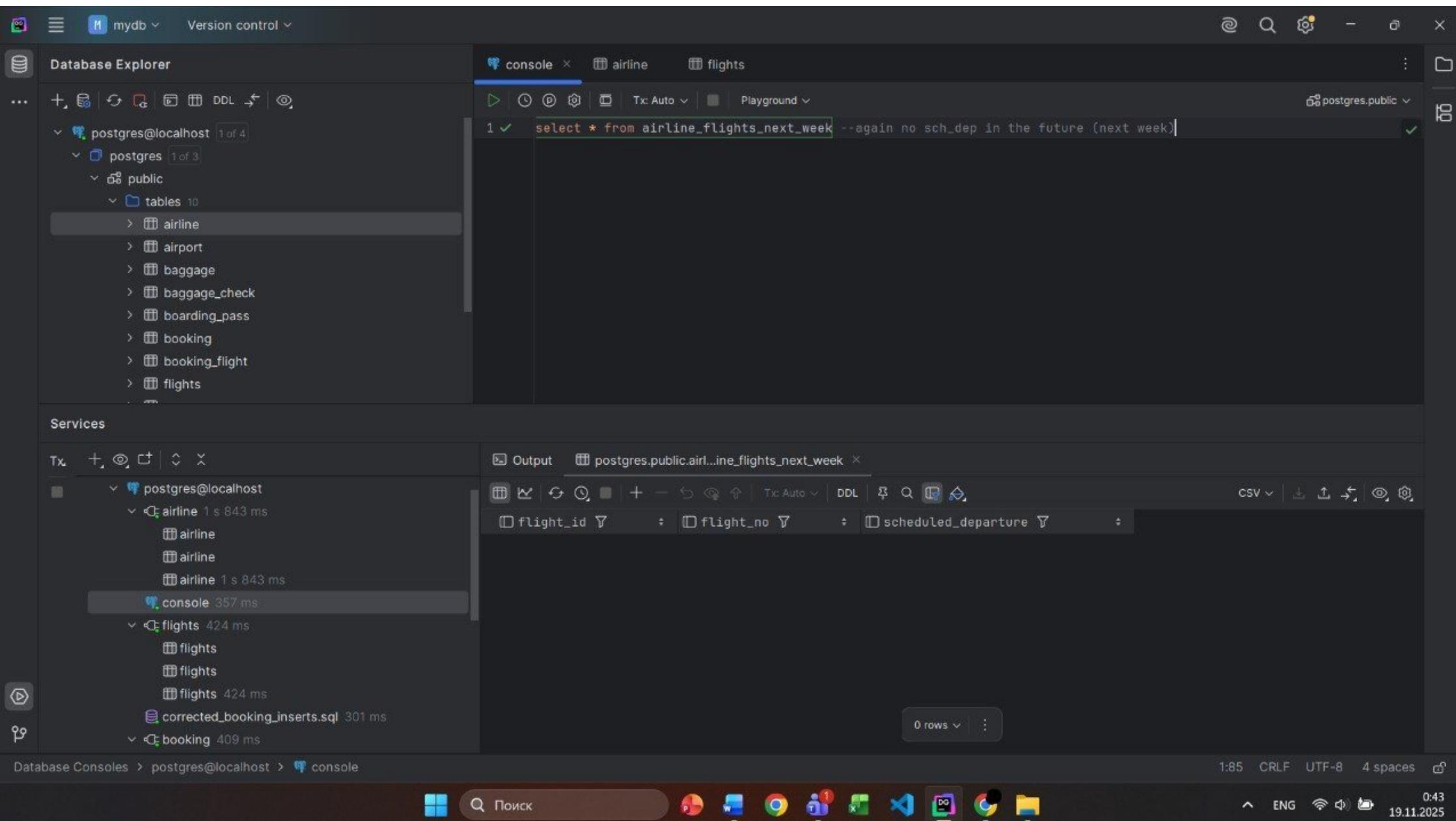
The console output shows the command was completed in 4 ms.

**Services:** Shows the transaction history with the following entries:

- [2025-11-19 00:41:08] `postgres.public> create or replace view airline_flights_next_week as`
- [2025-11-19 00:41:08] `select f.flight_id, f.flight_no, f.scheduled_departure`
- [2025-11-19 00:41:08] `from flights f`
- [2025-11-19 00:41:08] `join airline a on f.airline_id = a.airline_id`
- [2025-11-19 00:41:08] `where a.airline_name = 'IPC'`
- [2025-11-19 00:41:08] `and f.scheduled_departure between current_date and current_date + interval '7 days'`
- [2025-11-19 00:41:08] `completed in 4 ms`

**Bottom Bar:** Includes icons for file operations, search, and system status (time, battery, signal).





The screenshot shows a PostgreSQL database management interface with the following components:

- Database Explorer:** Shows the database structure. Under the `postgres` schema, there are 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `passenger`. The `booking_flight` table is currently selected.
- Services:** Shows a history of recent queries. The most recent ones are:
  - `console` (22 ms)
  - `flights` (424 ms)
  - `flights` (424 ms)
  - `corrected_booking_inserts.sql` (301 ms)
  - `booking` (409 ms)
  - `booking`
  - `booking`
- Console:** Displays the following SQL query:

```
1 ✓ create view top_5_routes as
2 select f.departure_airport_id, f.arrival_airport_id, count(b.booking_id) as booking_count
3 from flights f
4 join booking_flight bf 1<->1..n on f.flight_id = bf.flight_id
5 join booking b 1..n<->1: on bf.booking_id = b.booking_id
6 group by f.departure_airport_id, f.arrival_airport_id
7 order by booking_count desc
8 limit 5;
```
- Object Browser:** Shows the `flights` table structure with columns: `flight_id`, `flight_no`, `scheduled_departure`, `scheduled_arrival`, and `departure_airport_id`.

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the schema of the `mydb` database, including tables like `airport`, `baggage`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`, along with views and database objects.
- Console Tab:** The active tab, showing the result of the query `select * from bookings_next_week`. The result set is empty, indicated by the message: `-- no info since there's no scheduled flights for the interval of next week`.
- Output Tab:** Shows the execution history of commands. Recent entries include:
  - `airline`
  - `airline`
  - `console` (386 ms)
  - `flights` (424 ms)
  - `flights`
  - `flights` (424 ms)
  - `corrected_booking_inserts.sql` (301 ms)
  - `booking` (412 ms)
  - `booking`
  - `booking` (412 ms)
- Services Tab:** Shows transaction logs and recent operations.
- Bottom Bar:** Includes a search bar, system icons (Windows Start, Task View, File Explorer, etc.), and system status indicators (time 0:32, date 19.11.2025).

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the schema structure of the `mydb` database, including tables like `airport`, `baggage`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`, along with views and database objects.
- Console Tab:** Active tab, showing the creation of a view named `bookings_next_week`. The query uses three joins: `booking`, `booking_flight`, and `flights`, filtering for flights scheduled between the current date and seven days from now.

```
create view bookings_next_week as
select b.booking_id, b.passenger_id, f.flight_id, f.scheduled_departure
from booking b
join booking_flight bf on b.booking_id = bf.booking_id
join flights f on bf.flight_id = f.flight_id
where f.scheduled_departure between current_date and current_date + interval '7 days'
```
- Services Tab:** Shows the transaction history with the following entries:
  - [2025-11-19 00:30:56] completed in 6 ms
  - [2025-11-19 00:30:59] postgres.public> create view bookings\_next\_week as  
select b.booking\_id, b.passenger\_id, f.flight\_id, f.scheduled\_departure  
from booking b  
join booking\_flight bf on b.booking\_id = bf.booking\_id  
join flights f on bf.flight\_id = f.flight\_id  
where f.scheduled\_departure between current\_date and current\_date + interval '7 days'
  - [2025-11-19 00:30:59] completed in 3 ms
- Bottom Status Bar:** Shows the connection path as `Database Consoles > postgres@localhost > console`, and system status including CPU load (7.1), memory (CRLF, UTF-8, 4 spaces), and time (0:31, 19.11.2025).

The screenshot shows a PostgreSQL database interface with several panes:

- Database Explorer**: Shows the database structure. Under `postgres@localhost`, there is a `public` schema containing 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight` (which is selected), `flights`, and `passenger`.
- Services**: Shows transaction history. Recent entries include `console` (419 ms), `flights` (424 ms), `corrected_booking_inserts.sql` (301 ms), and `booking` (409 ms).
- Console**: The active tab shows the SQL query `select * from top_5_routes`. The results pane below it displays the following data:

departure_airport_id	arrival_airport_id	booking_count
10	7	18
4	10	15
13	4	14
6	16	14
14	7	11

At the bottom, the status bar indicates: Database Consoles > postgres@localhost > console. The system tray shows the date and time as 19.11.2025 0:37.

The screenshot shows a PostgreSQL database management interface with the following components:

- Database Explorer**: Shows the database structure. Under the `postgres@localhost` connection, there is a `public` schema containing 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `passenger`.
- console**: A query editor window showing the creation of a view named `airline_flights`. The query is:

```
1 ✓ create view airline_flights as
2 select f.flight_id, f.flight_no, f.scheduled_departure
3 from flights f
4 join airline a 1..n->1 on f.airline_id = a.airline_id
5 where a.airline_name = 'IPC'
```
- Services**: A transaction history window showing recent operations:
  - A transaction under `airline` took 843 ms.
  - A transaction under `flights` took 424 ms.
  - A transaction under `corrected_booking_inserts.sql` took 301 ms.
  - A transaction under `console` took 24 ms.
  - A transaction under `booking` took 409 ms.
- Output**: A results window for the `top_5_routes` view, showing the following output:

```
[2025-11-19 00:36:13] completed in 10 ms
[2025-11-19 00:37:47] postgres.public> select * from top_5_routes
[2025-11-19 00:37:47] 5 rows retrieved starting from 1 in 402 ms (execution: 5 ms, fetching: 397 ms)
[2025-11-19 00:39:37] postgres.public> create view airline_flights as
[2025-11-19 00:39:37] select f.flight_id, f.flight_no, f.scheduled_departure
[2025-11-19 00:39:37] from flights f
[2025-11-19 00:39:37] join airline a on f.airline_id = a.airline_id
[2025-11-19 00:39:37] where a.airline_name = 'IPC'
[2025-11-19 00:39:37] completed in 10 ms
```
- System Bar**: Includes a search bar, system icons (Windows Start, Task View, File Explorer, etc.), and system status indicators (time, battery, signal strength).

The screenshot shows a PostgreSQL database interface with the following details:

- Database Explorer:** Shows the database `mydb` and the schema `public` under the `postgres` user, which contains 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `passenger`.
- Services:** Displays transaction logs and recent operations. Recent operations include:
  - `airline`: 404 ms
  - `airline`: 404 ms
  - `airline`: 404 ms
  - `console`: 369 ms
  - `flights`: 452 ms
  - `flights`: 452 ms
  - `flights`: 452 ms
  - `corrected_booking_inserts.sql`: 301 ms
  - `booking`: 429 ms
- Console Tab:** Contains the SQL query:

```
select * from airline_flights_next_week --added column price but no info cause of the same reason
```
- Output Tab:** Shows the results of the query, which are currently empty (0 rows). The schema for the table is displayed:

flight_id	flight_no	scheduled_departure	price
-----------	-----------	---------------------	-------
- System Bar:** Includes icons for search, file, and system status, along with the date and time (19.11.2025) and file path (Database Consoles > postgres@localhost > console).

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the database `mydb` and the current connection is `postgres@localhost`. Under the `public` schema, there are 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `airline`.
- Console:** The current tab is `console`. A query is being run:

```
1 ✓ create view delayed_flights as
2 select f.flight_id, f.flight_no, f.scheduled_departure, f.actual_departure
3 from flights f
4 where (f.actual_departure - f.scheduled_departure) > 1
```
- Services:** Shows transaction history with the following entries:
  - `postgres@localhost`:
    - `airline`: 1 s 843 ms
    - `airline`: 1 s 843 ms
    - `airline`: 1 s 843 ms
    - `console`: 15 ms
  - `flights`: 424 ms
    - `flights`: 424 ms
    - `flights`: 424 ms
    - `flights`: 424 ms
  - `corrected_booking_inserts.sql`: 301 ms
  - `booking`: 409 ms
- Bottom Status Bar:** Includes icons for file operations, search, and system status, along with text: `4:55 CRLF UTF-8 4 spaces`, `1:01 ENG`, and `19.11.2025`.

Screenshot of a PostgreSQL database management interface (likely pgAdmin) showing a query execution.

The top navigation bar shows the database `mydb` and the current connection `postgres@localhost`.

The Database Explorer sidebar lists the database schema:

- `tables 10`:
  - `airline`
  - `airport`
  - `baggage`
  - `baggage_check`
  - `boarding_pass`
  - `booking`

The main area displays the results of the following query in the `console` tab:

```
select * from top_10_visited_countries;
```

The results are shown in a table titled `postgres.public.top_10_visited_countries`:

	country_of_citizenship	visit_count
1	China	116
2	Indonesia	24
3	France	24
4	Philippines	22
5	Peru	22
6	Russia	21
7	Sweden	21
8	Colombia	18
9	Poland	18
10	Canada	16

The Services panel on the left shows the transaction history:

- `airline`
- `airline`
- `console` 411 ms
- `flights` 354 ms
  - `flights`
  - `flights`
- `corrected_booking_inserts.sql` 301 ms
- `booking` 429 ms
  - `booking`
  - `booking`
  - `booking`
  - `booking` 429 ms
- `airport` 345 ms
  - `airport`
  - `airport`
  - `airport`

The bottom status bar indicates the session details: `Database Consoles > postgres@localhost > console`, timestamp `1:39`, encoding `CRLF`, character set `UTF-8`, and buffer size `4 spaces`.

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the database `mydb` selected. Under the `postgres@localhost` connection, the `public` schema is expanded, displaying tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `passengers`. The `booking_flight` table is currently selected.
- Services:** Shows transaction history with the following entries:
  - `airline`: 404 ms
  - `console`: 562 ms
  - `flights`: 452 ms
  - `corrected_booking_inserts.sql`: 301 ms
  - `booking`: 429 ms
- Console Tab:** Contains the following SQL query:

```
1 ✓ select table_name
2   from information_schema.views
3  where table_schema = 'public'
```
- Output Tab:** Displays the results of the query, showing a single column `table_name` with no rows.

table_name
⋮
- System Bar:** Includes icons for search, file operations, and system status (3:30, CRLF, UTF-8, 4 spaces, 1:26, ENG, 19.11.2025).

The screenshot shows a PostgreSQL database management interface with the following details:

**Database Explorer** (Left Panel):

- Connected to `postgres@localhost` (1 of 4)
- Schema `public` selected.
- Tables listed: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, and `passengers`.

**Services** (Bottom Left Panel):

- Transactions (Tx):
  - `postgres@localhost`:
    - `airline` (404 ms)
    - `airline`
    - `airline`
    - `console` (755 ms) - Selected.
    - `flights` (452 ms)
    - `flights`
    - `flights`
  - `corrected_booking_inserts.sql` (301 ms)
  - `booking` (429 ms)
    - `booking`
    - `booking`

**Console Tab (Top Right):**

```
SELECT table_name
FROM information_schema.views
WHERE table_schema = 'public'
```

**Output Tab (Bottom Right):**

table_name
flights_on_date
bookings_next_week
top_5_routes
airline_flights
delayed_flights
leffler_thompson_passengers
top_10_visited_countries
airline_flights_next_week

Bottom Bar:

- Database Consoles > `postgres@localhost` > `console`
- 3:30 CRLF UTF-8 4 spaces
- 1:23 ENG WiFi 19.11.2025

The screenshot shows a PostgreSQL database management interface with the following components:

- Database Explorer**: Shows the schema of the `mydb` database, including tables like `airline`, `airport`, `baggage`, etc., and views.
- Console**: A query editor window titled `console` containing the following SQL code:

```
1 ✓ create view leffler_thompson_passengers as
2 select p.first_name, p.last_name, p.country_of_citizenship
3 from passengers p
4 join booking b 1<->1..n on p.passenger_id = b.passenger_id
5 where b.booking_platform = 'Leffler-Thompson'
```
- Services**: A log viewer showing the execution of various queries and commands, such as creating a view and selecting from delayed flights.

```
from flights f
where (f.actual_departure - f.scheduled_departure) > 1
[2025-11-19 01:01:02] completed in 15 ms
[2025-11-19 01:01:21] postgres.public> select * from delayed_flights
[2025-11-19 01:01:21] 494 rows retrieved starting from 1 in 453 ms (execution: 4 ms, fetching: 449 ms)
[2025-11-19 01:05:39] postgres.public> create view leffler_thompson_passengers as
select p.first_name, p.last_name, p.country_of_citizenship
from passengers p
join booking b on p.passenger_id = b.passenger_id
where b.booking_platform = 'Leffler-Thompson'
[2025-11-19 01:05:39] completed in 0 ms
```
- Bottom Bar**: Includes a search bar, system icons (Windows Start, Task View, File Explorer, etc.), and status indicators for time (1:05), language (ENG), and date (19.11.2025).

The screenshot shows a PostgreSQL database management interface with the following details:

- Database Explorer:** Shows the schema of the database "mydb".
  - Tables:** 10 tables listed under "tables": airline, airport, baggage, baggage\_check, boarding\_pass, booking, booking\_flight, flights, passengers, security\_check.
  - Views:** 7 views listed under "views".
- Services:** Shows the execution of several queries and transactions.
  - console:** 421 ms. Contains the query: `select * from leffler_thompson_passengers`.
  - flights:** 354 ms. Contains the query: `corrected_booking_inserts.sql`.
  - booking:** 429 ms. Contains the query: `corrected_booking_inserts.sql`.
- Console:** The main area where the query was executed. It shows the result of the query: `select * from leffler_thompson_passengers`. The result is a single row:

first_name	last_name	country_of_citizenship
Philbert	Shambroke	Colombia
- Bottom Bar:** Includes a search bar, system icons (Windows Start, Task View, File Explorer, etc.), and system status indicators (time, battery, signal strength).

The screenshot shows a PostgreSQL database management interface with the following components:

- Database Explorer**: Shows the schema of the `mydb` database, including tables like `airline`, `airport`, `baggage`, etc., and views.
- Console**: A query editor window titled `console` containing the following SQL code:

```
1 ✓  create view top_10_visited_countries as
2   select p.country_of_citizenship, count(b.booking_id) as visit_count
3   from passengers p
4   join booking b 1<->1..n: on p.passenger_id = b.passenger_id
5   group by p.country_of_citizenship
6   order by visit_count desc
7   limit 10
```
- Services**: A list of transactions (Tx) and their execution times, such as `flights` (354 ms), `corrected_booking_inserts.sql` (301 ms), and `booking` (429 ms).
- Output**: The results of the executed queries, including the creation of the `top_10_visited_countries` view and its subsequent selection.
- System Bar**: Includes icons for search, file operations, and system status (language, battery, date).

```
[2025-11-19 01:05:39] completed in 0 ms
[2025-11-19 01:05:51] postgres.public> select * from leffler_thompson_passengers
[2025-11-19 01:05:52] 1 row retrieved starting from 1 in 402 ms (execution: 18 ms, fetching: 384 ms)
[2025-11-19 01:07:22] postgres.public> create view top_10_visited_countries as
    select p.country_of_citizenship, count(b.booking_id) as visit_count
    from passengers p
    join booking b on p.passenger_id = b.passenger_id
    group by p.country_of_citizenship
    order by visit_count desc
    limit 10
[2025-11-19 01:07:22] completed in 8 ms
```

The screenshot shows a PostgreSQL database management interface with the following components:

- Database Explorer**: Shows the database schema with tables: airline, airport, baggage, baggage\_check, boarding\_pass, booking, booking\_flight, flights, and passengers.
- Services**: Displays transaction history and execution times for various queries.
- Console**: The active tab where a complex SQL query is being run.

**Console Tab Content:**

```
create or replace view airline.flights_next_week as
select f.flight_id, f.flight_no, f.scheduled_departure, b.price
from flights f
join airline a 1..n->1..1 on f.airline_id = a.airline_id
join booking_flight bf 1<->1..n on f.flight_id = bf.flight_id
join booking b 1..n->1..1 on bf.booking_id = b.booking_id
where a.airline_name = 'IPC'
and f.scheduled_departure between current_date and current_date + interval '7 days'
```

**Services Tab History (partial):**

- [2025-11-19 01:07:22] completed in 8 ms
- [2025-11-19 01:07:47] postgres.public> select \* from top\_10\_visited\_countries
- [2025-11-19 01:07:48] 10 rows retrieved starting from 1 in 390 ms (execution: 5 ms, fetching: 385 ms)
- [2025-11-19 01:18:54] postgres.public> create or replace view airline.flights\_next\_week as
 select f.flight\_id, f.flight\_no, f.scheduled\_departure, b.price
 from flights f
 join airline a on f.airline\_id = a.airline\_id
 join booking\_flight bf on f.flight\_id = bf.flight\_id
 join booking b on bf.booking\_id = b.booking\_id
 where a.airline\_name = 'IPC'
 and f.scheduled\_departure between current\_date and current\_date + interval '7 days'

**System Bar:**

- Icons for search, file, settings, and other system functions.
- Text: Database Consoles > postgres@localhost > console
- Text: 8:84 CRLF UTF-8 4 spaces
- Text: 1:19 ENG 19.11.2025

