

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

- Database Explorer:** Shows the database schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console:** The active tab displays the command: `drop index idx_flight_no_scheduled_departure`. The status bar indicates the command was completed successfully.
- Output:** The log window shows the execution history:
 - [2025-11-12 01:10:12] completed in 314 ms
 - [2025-11-12 01:10:26] postgres.public> drop index idx_passenger_info
 - [2025-11-12 01:10:26] completed in 15 ms
 - [2025-11-12 01:10:38] postgres.public> drop index idx_departure_arrival_airports
 - [2025-11-12 01:10:38] completed in 10 ms
 - [2025-11-12 01:10:51] postgres.public> drop index idx_actual_departure
 - [2025-11-12 01:10:51] completed in 8 ms
 - [2025-11-12 01:11:02] postgres.public> drop index idx_flight_no_scheduled_departure
 - [2025-11-12 01:11:02] completed in 12 ms
- Services:** Shows transaction (Tx) status and database connection details.
- Bottom Bar:** Includes a search bar, system icons (Windows Start, Task View, File Explorer, etc.), and a status bar showing the current time (1:11), date (12.11.2025), and file encoding (CRLF, UTF-8).

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

- Database Explorer:** Shows the database schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console:** The active tab displays the command: `drop index idx_actual_departure`.
- Output:** The results of the command execution are shown in the terminal:

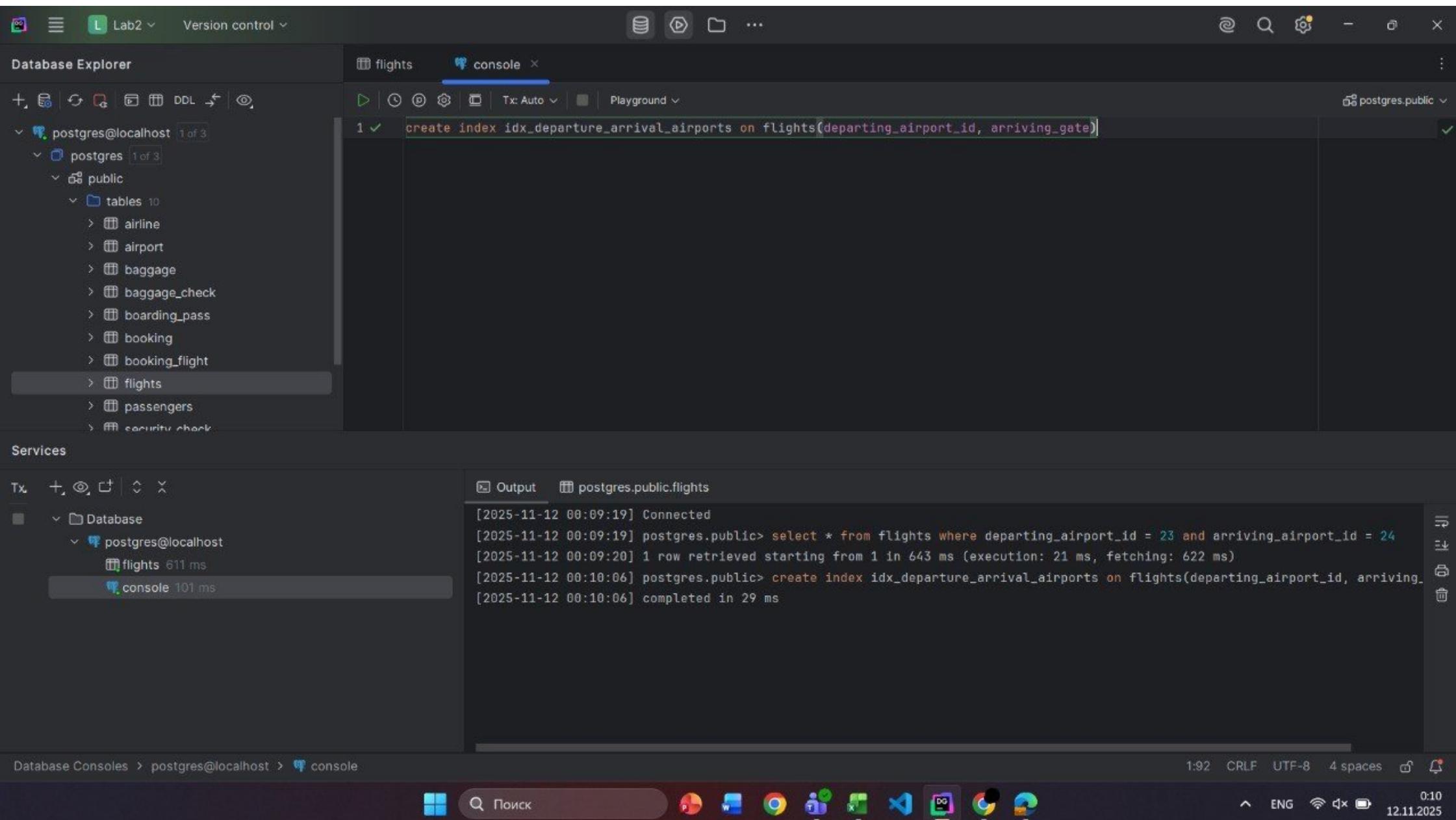
```
[2025-11-12 01:09:27] 4 rows retrieved starting from 1 in 766 ms (execution: 314 ms, fetching: 452 ms)
[2025-11-12 01:10:11] postgres.public> drop index idx_passport_number
[2025-11-12 01:10:12] completed in 314 ms
[2025-11-12 01:10:26] postgres.public> drop index idx_passenger_info
[2025-11-12 01:10:26] completed in 15 ms
[2025-11-12 01:10:38] postgres.public> drop index idx_departure_arrival_airports
[2025-11-12 01:10:38] completed in 10 ms
[2025-11-12 01:10:51] postgres.public> drop index idx_actual_departure
[2025-11-12 01:10:51] completed in 8 ms
```
- Services:** Shows transaction status and database activity.
- Bottom Bar:** Includes a search bar, system icons, and a timestamp: 1:32 CRLF UTF-8 4 spaces.

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

- Database Explorer:** Shows the connection to `postgres@localhost` and the schema `public`. The `flights` table is selected.
- Console:** Displays the SQL query: `select * from flights where departing_airport_id = 23 and arriving_airport_id = 24`.
- Output:** Shows the results of the query execution:
 - [2025-11-12 00:09:19] Connected
 - [2025-11-12 00:09:19] postgres.public> select * from flights where departing_airport_id = 23 and arriving_airport_id = 24
 - [2025-11-12 00:09:20] 1 row retrieved starting from 1 in 643 ms (execution: 21 ms, fetching: 622 ms)
- Services:** Shows the transaction status and the connection to `postgres@localhost`.
- Bottom Bar:** Includes a search bar, system icons, and the date/time: 12.11.2025.

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

- Database Explorer:** Shows the connection to `postgres@localhost` and the current schema `airline`. The `tables` node is expanded, listing tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`.
- Console:** The active tab shows the command: `create index idx_actual_departure on flights(act_departure_time);`. The output pane displays the results of the command execution:
 - [2025-11-11 23:47:20] Connected
 - [2025-11-11 23:47:20] postgres> create index idx_actual_departure on flights(act_departure_time)
 - [2025-11-11 23:47:20] completed in 76 ms
- Services:** Shows the transaction status and the connection to `postgres@localhost` via the `console` service, which took 232 ms.
- Bottom Bar:** Includes icons for Windows Start, Search, Task View, File Explorer, Google Chrome, Microsoft Edge, and Visual Studio Code, along with system status indicators for battery, signal, and date/time (23:49, 11.11.2025).



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

- Database Explorer:** Shows the `flights` and `airline` databases. Under the `flights` database, the `tables` node is expanded, listing 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`. The `flights` table is currently selected.
- Console:** The active tab is `console`. A query is being run:

```
create index idx_departure_arrival_airports on flights(departing_airport_id, arriving_airport_id)
```
- Output:** The output tab shows the results of the previous query and other recent activity:

```
[2025-11-11 23:52:43] postgres.public> select * from flights  
order by act_departure_time  
[2025-11-11 23:52:43] 24 rows retrieved starting from 1 in 378 ms (execution: 7 ms, fetching: 371 ms)  
[2025-11-11 23:53:44] postgres.public> create index idx_actual_departure on flights(act_departure_time)  
[2025-11-11 23:53:44] completed in 6 ms  
[2025-11-11 23:56:20] postgres.public> create unique index idx_flight_no_scheduled_departure on flights(flight_id, sch_depart  
[2025-11-11 23:56:20] completed in 294 ms  
[2025-11-11 23:57:31] postgres.public> create index idx_departure_arrival_airports on flights(departing_airport_id, arriving_
```
- Services:** Shows a list of services, with `postgres@localhost` selected. It lists three services: `console` (32 ms), `flights` (611 ms), and `airline` (6 s).
- Bottom Bar:** Includes a search bar with the placeholder "Поиск", system icons for file operations, and a status bar showing "1:98 CRLF UTF-8 4 spaces" and the date/time "23:57 11.11.2025".

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

- Database Explorer:** Shows the database schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console:** The active tab displays the command: `drop index idx_departure_arrival_airports`.
- Services:** Shows the transaction history with the following entries:
 - Database: postgres@localhost
 - passenger 769 ms
 - flights 787 ms
 - console 77 ms
 - airline 409 ms
- Output:** The `postgres.pg_catalog.pg_indexes` tab shows the results of the query execution:

```
[2025-11-12 01:08:03] 5 rows retrieved starting from 1 in 474 ms (execution: 15 ms, fetching: 459 ms)
[2025-11-12 01:09:26] postgres.public> select * from pg_indexes where tablename = 'passengers'
[2025-11-12 01:09:27] 4 rows retrieved starting from 1 in 766 ms (execution: 314 ms, fetching: 452 ms)
[2025-11-12 01:10:11] postgres.public> drop index idx_passport_number
[2025-11-12 01:10:12] completed in 314 ms
[2025-11-12 01:10:26] postgres.public> drop index idx_passenger_info
[2025-11-12 01:10:26] completed in 15 ms
[2025-11-12 01:10:38] postgres.public> drop index idx_departure_arrival_airports
[2025-11-12 01:10:38] completed in 10 ms
```
- System Bar:** Includes a search bar, system icons (Windows, Task View, File Explorer, Google Chrome, Visual Studio Code), and system status (1:42, CRLF, UTF-8, 4 spaces, ENG, 12.11.2025).

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

- Database Explorer:** Shows the connection to `postgres@localhost` and the schema `public`. The `flights` table is selected.
- Console:** The query `select * from flights where departing_airport_id = 23 and arriving_airport_id = 24` is run, resulting in 1 row retrieved.
- Services:** Shows the transaction status and the connection to `postgres@localhost`.
- Output:** Displays the execution log with the following entries:
 - [2025-11-12 00:09:19] Connected
 - [2025-11-12 00:09:19] postgres.public> select * from flights where departing_airport_id = 23 and arriving_airport_id = 24
 - [2025-11-12 00:09:20] 1 row retrieved starting from 1 in 643 ms (execution: 21 ms, fetching: 622 ms)
 - [2025-11-12 00:10:06] postgres.public> create index idx_departure_arrival_airports on flights(departing_airport_id, arriving_airport_id)
 - [2025-11-12 00:10:06] completed in 29 ms
 - [2025-11-12 00:10:38] postgres.public> select * from flights where departing_airport_id = 23 and arriving_airport_id = 24
 - [2025-11-12 00:10:38] 1 row retrieved starting from 1 in 482 ms (execution: 19 ms, fetching: 463 ms)
- Taskbar:** Includes a search bar, system icons, and a date/time indicator (12.11.2025).

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

- Database Explorer:** Shows the `flights` and `airline` databases. Under the `flights` database, the `tables` node contains 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`. The `flights` table is currently selected.
- Console:** The active tab is `console`. The command `create unique index idx_flight_no_scheduled_departure on flights(flight_id, sch_departure_time);` is being run. The output shows the command was successful and completed in 343 ms.
- Services:** Shows the `Database` section with the `postgres@localhost` connection selected. The `console` service is active, showing a query execution time of 320 ms.
- Output:** The `postgres.public.flights` tab displays the execution log of the commands entered in the console.

```
[2025-11-11 23:52:21] postgres.public> drop index idx_actual_departure
[2025-11-11 23:52:22] completed in 343 ms
[2025-11-11 23:52:43] postgres.public> select * from flights
          order by act_departure_time
[2025-11-11 23:52:43] 24 rows retrieved starting from 1 in 378 ms (execution: 7 ms, fetching: 371 ms)
[2025-11-11 23:53:44] postgres.public> create index idx_actual_departure on flights(act_departure_time)
[2025-11-11 23:53:44] completed in 6 ms
[2025-11-11 23:56:20] postgres.public> create unique index idx_flight_no_scheduled_departure on flights(flight_id, sch_departure_time)
[2025-11-11 23:56:20] completed in 294 ms
```

Bottom status bar: 2:1 CRLF, UTF-8, 4 spaces, 23:56, ENG, 11.11.2025

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

- Database Explorer:** Shows the database schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console Tab:** Active tab, showing the command: `drop index idx_passenger_info`.
- Output Tab:** Shows the results of a query and the execution of index drops.

```
select * from passengers
where country_of_citizenship = 'USA' and date_of_birth between '1984-01-01' and '1984-02-28'
[2025-11-12 01:08:03] 5 rows retrieved starting from 1 in 474 ms (execution: 15 ms, fetching: 459 ms)
[2025-11-12 01:09:26] postgres.public> select * from pg_indexes where tablename = 'passengers'
[2025-11-12 01:09:27] 4 rows retrieved starting from 1 in 766 ms (execution: 314 ms, fetching: 452 ms)
[2025-11-12 01:10:11] postgres.public> drop index idx_passport_number
[2025-11-12 01:10:12] completed in 314 ms
[2025-11-12 01:10:26] postgres.public> drop index idx_passenger_info
[2025-11-12 01:10:26] completed in 15 ms
```
- Services Tab:** Shows the transaction history with the "console" tab selected.
- Bottom Bar:** Includes a search bar, pinned application icons (PowerShell, File Explorer, Google Chrome, Visual Studio Code), and system status indicators (time, battery, signal).

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

- Database Explorer:** Shows the schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console Tab:** The current tab is "console". The query being run is:

```
insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number)
values
    ( passenger_id 18, first_name 'John', last_name 'Doe', date_of_birth '2005-03-15', gender 'M', country_of_citizenship 'USA', country_of_residence 'USA', passport_number 'E1234567' ),
    ( passenger_id 19, first_name 'Jane', last_name 'Smith', date_of_birth '2004-06-22', gender 'F', country_of_citizenship 'Canada', country_of_residence 'Canada', passport_number 'B2345678' );
```
- Output Tab:** Shows the execution results and errors:
 - Execution time: 90 ms.
 - PostgreSQL version: 2025-11-12 00:55:13.
 - Error message: [23505] ERROR: duplicate key value violates unique constraint "idx_passport_number".
Details: Key (passport_number)=(E1234567) already exists.
 - PostgreSQL version: 2025-11-12 00:57:41.
 - Error message: [23505] ERROR: duplicate key value violates unique constraint "passengers_pkey".
Details: Key (passenger_id)=(1) already exists.
 - PostgreSQL version: 2025-11-12 00:57:41.
 - Error message: [23505] ERROR: duplicate key value violates unique constraint "idx_passport_number".
Details: Key (passport_number)=(E1234567) already exists.
- Services Tab:** Shows the transaction status and database connections.
- System Bar:** Includes a search bar, pinned icons for File Explorer, Task View, and Edge, and system status indicators.

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

Database Explorer pane (left):

- Connected to `postgres@localhost`.
- Tables listed under `tables`: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, `security_check`.
- Other sections: `Database Objects` and `Server Objects`.

Services pane (bottom-left):

- Transactions (`Tx`): `Database`, `postgres@localhost` (with `passenger`, `flights`, `console`, `airline` sessions).

Console Tab (top center):

- Query: `select * from pg_indexes where tablename = 'passengers'`
- Status: 1 ✓
- Result pane (Output tab):

schemaname	tablename	indexname	tablespace	indexdef
public	passengers	passengers_pkey	<null>	CREATE UNIQUE INDEX passengers_pkey ON public.passenger(id)
public	passengers	unique_passenger_id	<null>	CREATE UNIQUE INDEX unique_passenger_id ON public.passenger(unique_id)
public	passengers	idx_passport_number	<null>	CREATE UNIQUE INDEX idx_passport_number ON public.passenger(passport_number)
public	passengers	idx_passenger_info	<null>	CREATE INDEX idx_passenger_info ON public.passenger(info)

4 rows

Bottom Status Bar:

- Time: 1:56
- Encoding: CRLF
- Character Set: UTF-8
- Spaces: 4 spaces
- Date/Time: 12.11.2025

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

- Database Explorer:** Shows the database `postgres` at `localhost` with 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`.
- Console Tab:** The current tab is `console`. A command is being run:

```
create index idx_passenger_info on passengers(first_name, last_name, date_of_birth, country_of_citizenship)
```
- Output Tab:** The output shows the execution of the command and its results:

```
[2025-11-12 00:55:13] Подробности: Key (passenger_id)=(1) already exists.  
[2025-11-12 00:57:41] postgres.public> insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, passport_number, now(), now(), 16)  
values  
      (18, 'John', 'Doe', '2005-03-15', 'M', 'USA', 'USA', 'E1234567', now(), now(), 16)  
      (19, 'Jane', 'Smith', '2004-06-22', 'F', 'Canada', 'Canada', 'E1234567', now(), now(), 16)  
[2025-11-12 00:57:41] [23505] ERROR: duplicate key value violates unique constraint "idx_passport_number"  
[2025-11-12 00:57:41] Подробности: Key (passport_number)=(E1234567) already exists.  
[2025-11-12 00:58:41] postgres.public> create index idx_passenger_info on passengers(first_name, last_name, date_of_birth, country_of_citizenship)
```
- Services Tab:** Shows transaction status and database connections.
- Bottom Bar:** Includes system icons for search, taskbar, and system status.

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

- Database Explorer:** Shows the database `airline` selected. Under the `tables` node, the `flights` table is currently selected.
- Console:** The query `create unique index idx_passport_number on passengers(passport_number)` is being executed. The status bar indicates the command was completed in 72 ms.
- Services:** A transaction (Tx) is active, showing a query to select from the `flights` table where departing and arriving airports are 115 and 116 respectively, taking 472 ms.
- Output:** Displays the results of the previous query and the EXPLAIN ANALYZE output for a similar query where departing and arriving airports are 151 and 152 respectively, both taking around 541 ms.
- Bottom Bar:** Includes system icons for search, file, and network, along with the date and time (12.11.2025).

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

- Database Explorer:** Shows the schema with 10 tables: airline, airport, baggage, baggage_check, boarding_pass, booking, booking_flight, flights, passengers, and security_check.
- Console Tab:** The current tab is "console". A query is being run:

```
EXPLAIN ANALYZE
select * from passengers
where country_of_citizenship = 'USA' and date_of_birth between '1984-01-01' and '1984-12-31';
```
- Services Tab:** Shows transaction history with the following rows:

Query	Time
passenger	769 ms
flights	787 ms
console	542 ms
airline	409 ms
- Output Tab:** Displays the EXPLAIN ANALYZE output:

```
QUERY PLAN
1 Seq Scan on passengers  (cost=0.00..1.30 rows=1 width=676) (actual time=0.054..0.054 rows=0 loops=1)
2 Filter: ((date_of_birth >= '1984-01-01'::date) AND (date_of_birth <= '1984-12-31'::date) AND ((country_of_citizenship)::text = 'USA'))
3 Rows Removed by Filter: 17
4 Planning Time: 0.263 ms
5 Execution Time: 0.087 ms
```
- System Status:** Shows the system status bar at the bottom with: 1:16 CRLF UTF-8 4 spaces, ENG, 1:08, 12.11.2025.

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

- Database Explorer:** Shows the database `postgres` at `localhost` with 10 tables: `airline`, `airport`, `baggage`, `baggage_check`, `boarding_pass`, `booking`, `booking_flight`, `flights`, `passengers`, and `security_check`.
- Console:** The current tab is `console`. A query is being run:

```
drop index idx_passport_number
```
- Output:** The output tab shows the results of the query execution:

```
[2025-11-12 01:06:46] 5 rows retrieved starting from 1 in 446 ms (execution: 16 ms, fetching: 430 ms)
[2025-11-12 01:08:03] postgres.public> EXPLAIN ANALYZE
      select * from passengers
      where country_of_citizenship = 'USA' and date_of_birth between '1984-01-01' and '1984-12-31'
[2025-11-12 01:08:03] 5 rows retrieved starting from 1 in 474 ms (execution: 15 ms, fetching: 459 ms)
[2025-11-12 01:09:26] postgres.public> select * from pg_indexes where tablename = 'passengers'
[2025-11-12 01:09:27] 4 rows retrieved starting from 1 in 766 ms (execution: 314 ms, fetching: 452 ms)
[2025-11-12 01:10:11] postgres.public> drop index idx_passport_number
[2025-11-12 01:10:12] completed in 314 ms
```
- Services:** Shows the status of various services.
- Bottom Bar:** Includes a search bar, system icons, and a status bar showing the time (1:31), encoding (CRLF), character set (UTF-8), and file count (4 spaces).