

The screenshot shows a DBeaver interface with a dark theme. On the left is a sidebar with 'Servers' expanded, showing 'PostgreSQL 17' selected. Under 'PostgreSQL 17', 'Databases' (4), 'Login/Group Roles', and 'Tablespaces' are listed. Below the server list are 'PostgreSQL 18' and 'PostgreSQL 19'. The main area is a query editor with the title 'airport_database/postgres@PostgreSQL 17*'. The query tab is active, displaying the following code:

```
1 BEGIN;
2
3 DELETE FROM baggage_check WHERE booking_id = 999999;
4 DELETE FROM baggage WHERE booking_id = 999999;
5 DELETE FROM boarding_pass WHERE booking_id = 999999;
6 DELETE FROM booking_flight WHERE booking_id = 999999;
7 DELETE FROM booking WHERE booking_id = 999999;
8 DELETE FROM non_existent_table WHERE booking_id = 999999;
9
10 ROLLBACK;
11
```

The 'Messages' tab at the bottom shows an error message:

```
ERROR: relation "non_existent_table" does not exist
LINE 8: DELETE FROM non_existent_table WHERE booking_id = 999999;
^

SQL state: 42P01
Character: 296
```

At the bottom, it says 'Total rows: 0' and 'Query complete 00:00:00.843'. The status bar on the right shows 'LF | Ln 8, Col 31'.

The screenshot shows the DBeaver IDE interface with a PostgreSQL connection active. The left sidebar displays server connections, including 'PostgreSQL 17' which is expanded to show 'Databases (4)'. The main area contains a SQL query window with the following code:

```
1 BEGIN;
2
3 SELECT flight_id, flight_no, scheduled_departure
4 FROM flights
5 WHERE flight_id = 1;
6
7 UPDATE flights
8 SET scheduled_departure = '2025-05-01 10:00:00'
9 WHERE flight_id = 1;
10
11 UPDATE flights
12 SET scheduled_departure = '2025-05-01 12:00:00'
13 WHERE flight_id = 99999999;
14
15 COMMIT;
```

The 'Messages' tab at the bottom shows an error message:

ERROR: current transaction is aborted, commands ignored until end of transaction block

SQL state: 25P02

At the bottom status bar, it says 'Total rows: 0' and 'Query complete 00:00:00.458'.

The screenshot shows the DBeaver IDE interface with a PostgreSQL connection active. The left sidebar displays server connections, including 'PostgreSQL 17' which is expanded to show 'Databases (4)'. The main area contains a query editor with the following SQL code:

```
1 BEGIN;
2
3 UPDATE booking b
4 SET price = price * 0.9
5 FROM booking_flight bf
6 WHERE b.booking_id = bf.booking_id
7 AND bf.flight_id = 1;
8
9 UPDATE booking
10 SET wrong_column = 0
11 WHERE booking_id = 1;
12
13 ROLLBACK;
14
15 COMMIT;
```

The code attempts to update the 'booking' table by setting the 'price' column to 90% of its current value via a join with the 'booking_flight' table. It also sets a non-existent column 'wrong_column' to 0 for the same row. The transaction is then rolled back and committed.

In the bottom right corner of the editor, there is a red error message: "ERROR: current transaction is aborted, commands ignored until end of transaction block". Below this, the SQL state is listed as "25P02".

The status bar at the bottom indicates "Total rows: 1" and "Query complete 00:00:00.584".

The screenshot shows the DBeaver IDE interface with a PostgreSQL connection active. The left sidebar displays servers and databases. The main area contains a query editor with the following SQL script:

```
1 BEGIN;
2
3 UPDATE passengers
4 SET first_name = 'Nurlybek',
5     last_name = 'Bekzat'
6 WHERE passenger_id = 1;
7
8 UPDATE baggage_check
9 SET passenger_id = 1
10 WHERE passenger_id = 1;
11
12 UPDATE passengers
13 SET wrong_column = 'error'
14 WHERE passenger_id = 1;
15
16 ROLLBACK;
17
18 COMMIT;
```

The script attempts to update three tables: passengers, baggage_check, and passengers again. It includes a ROLLBACK statement after the second update. The COMMIT statement at the end is commented out with a hash (#). The 'Messages' tab at the bottom shows an error message:

ERROR: current transaction is aborted, commands ignored until end of transaction block

SQL state: 25P02

At the bottom, the status bar indicates "Total rows: 0" and "Query complete 00:00:00.411".

The screenshot shows the DBeaver IDE interface with the following details:

- Servers:** A tree view on the left shows two servers: "PostgreSQL 17" (selected) and "PostgreSQL 18". Under "PostgreSQL 17", there are four databases: "Databases (4)", "Login/Group Roles", and "Tablespaces".
- Query Editor:** The main area displays a multi-line SQL script. The code includes:
 - An **INSERT INTO** statement for the "booking" table.
 - A **VALUES** clause with specific values: 200, 100, 'Website', 'Confirmed', 250.00, NOW(), NOW().
 - A **SELECT** statement with a WHERE clause filtering by passenger_id = 100.
 - A **ROLLBACK;** statement.
 - A **COMMIT;** statement.
- Data Output:** Below the code, the "Messages" tab is selected, showing the following error message:

```
ERROR: current transaction is aborted, commands ignored until end of transaction block
```

SQL state: 25P02
- Bottom Status:** The status bar at the bottom indicates "Total rows: 0" and "Query complete 00:00:00.581".

The screenshot shows a DBeaver interface with a PostgreSQL 17 database connection selected. The left sidebar displays server connections, databases, roles, tablespaces, and another PostgreSQL 18 connection. The main area contains a query editor with the following SQL code:

```
1 BEGIN;
2
3 UPDATE booking b
4 SET price = price + 50.00
5 FROM booking_flight bf
6 WHERE b.booking_id = bf.booking_id
7 AND bf.flight_id = 1;
8
9 UPDATE booking
10 SET wrong_column = 0
11 WHERE booking_id = 1;
12
13 COMMIT;
14
```

The status bar at the bottom indicates "Total rows: 0" and "Query complete 00:00:00.127". In the "Messages" tab, an error message is displayed:

ERROR: current transaction is aborted, commands ignored until end of transaction block
SQL state: 25P02

The screenshot shows a DBeaver interface with a PostgreSQL connection named 'airport_database/postgres@PostgreSQL 17'. The left sidebar lists servers and databases. The main area contains a query editor with the following code:

```
1 BEGIN;
2
3 UPDATE baggage
4 SET weight_in_kg = 25.50,
5      update_date   = NOW()
6 WHERE baggage_id = 1;
7
8 UPDATE baggage
9 SET wrong_column = 0
10 WHERE baggage_id = 1;
11
12 ROLLBACK;
13
14 COMMIT;
15
```

The 'Messages' tab at the bottom displays an error message:

ERROR: current transaction is aborted, commands ignored until end of transaction block
SQL state: 25P02

Total rows: 0 Query complete 00:00:00.258

The screenshot shows a DBeaver interface with a PostgreSQL 17 database connection selected. The left sidebar lists servers, databases, roles, tablespaces, and another PostgreSQL 18 connection. The main area contains a query window with the following SQL code:

```
1 BEGIN;
2
3 UPDATE booking
4 SET price      = price - 20.00,
5      update_at = NOW()
6 WHERE passenger_id = 1;
7
8 UPDATE booking
9 SET wrong_column = 0
10 WHERE passenger_id = 1;
11
12 COMMIT;
13
```

The code attempts to begin a transaction, update the 'booking' table by setting 'price' to its current value minus 20.00 and updating the 'update_at' timestamp to the current time, filtering by 'passenger_id = 1'. It then tries to update the same table again, setting a non-existent column 'wrong_column' to 0, also filtering by 'passenger_id = 1'. Finally, it attempts to commit the transaction.

In the bottom right corner of the main window, there is a small red error icon indicating that an error occurred during the execution of the transaction.

The status bar at the bottom shows "Total rows: 0" and "Query complete 00:00:01.470".

The screenshot shows a DBeaver interface with a PostgreSQL 17 database connection selected. The left sidebar lists servers, databases, roles, tablespaces, and another PostgreSQL 18 entry. The main area contains a query window with the following SQL code:

```
1 BEGIN;
2
3 UPDATE booking_flight
4 SET flight_id = 2
5 WHERE flight_id = 1;
6
7 UPDATE booking_flight
8 SET wrong_column = 0
9 WHERE flight_id = 2;
10
11 COMMIT;
12
```

The status bar at the bottom indicates "Query complete 00:00:00.208". In the "Messages" tab, an error message is displayed:

ERROR: current transaction is aborted, commands ignored until end of transaction block
SQL state: 25P02