Database Explorer

console_5

Tx: Auto   Playground   postgres.lab2

```
1    select * from booking where booking_id = '12345'
2
3    begin;
4
5    delete from booking where booking_id = '12345';
6
7    rollback;
8
9    select * from booking where booking_id = '12345'
10
11
```

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4
  - sequences 1
- Database Objects
- Server Objects

Services

Database
- postgres@localhost
  - console_5 296 ms

Output   postgres.lab2.booking   postgres.lab2.booking 2

```
[2025-11-26 01:36:04] postgres.lab2> select * from booking where booking_id = '12345'
[2025-11-26 01:36:05] 0 rows retrieved in 365 ms (execution: 4 ms, fetching: 361 ms)
[2025-11-26 01:36:05] postgres.lab2> begin
[2025-11-26 01:36:05] completed in 1 ms
[2025-11-26 01:36:05] postgres.lab2> delete from booking where booking_id = '12345'
[2025-11-26 01:36:05] completed in 4 ms
[2025-11-26 01:36:05] postgres.lab2> rollback
[2025-11-26 01:36:05] completed in 1 ms
[2025-11-26 01:36:05] postgres.lab2> select * from booking where booking_id = '12345'
[2025-11-26 01:36:05] 0 rows retrieved in 280 ms (execution: 4 ms, fetching: 276 ms)
```

Database Explorer

console_5   flights

postgres.lab2

Tx: Auto   Playground

```
1  begin;
2  update flights
3  set sch_departure_time = '2025-11-25 10:00:00'
4  where flight_id = '10'
5  commit;
```

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4
  - sequences 1
- Database Objects
- Server Objects

Services

Tx

Database
- postgres@localhost
  - console_5   14 ms
  - flights   549 ms

```
[2025-11-26 01:39:40] postgres.lab2> begin
[2025-11-26 01:39:40] completed in 2 ms
[2025-11-26 01:39:40] postgres.lab2> update flights
                                     set sch_departure_time = '2025-11-25 10:00:00'
                                     where flight_id = '10'
[2025-11-26 01:39:40] 1 row affected in 5 ms
[2025-11-26 01:39:40] postgres.lab2> commit
[2025-11-26 01:39:40] completed in 2 ms
```

Database Consoles > postgres@localhost > console_5

5:8   LF   UTF-8   4 spaces

Database Explorer

console_5   flights

postgres@localhost

WHERE   ORDER BY

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	depar
194	195 2025-10-01 23:46:32.067402	2025-10-02 01:46:32.067402	196	196 DG_193
195	196 2025-10-02 00:46:32.067402	2025-10-02 02:46:32.067402	197	197 DG_196
196	197 2025-10-02 01:46:32.067402	2025-10-02 03:46:32.067402	198	198 DG_197
197	198 2025-10-02 02:46:32.067402	2025-10-02 04:46:32.067402	199	199 DG_198
198	199 2025-10-02 03:46:32.067402	2025-10-02 05:46:32.067402	200	200 DG_199
199	200 2025-10-02 04:46:32.067402	2025-10-02 06:46:32.067402	1	1 DG_200
200	999 2025-10-10 10:00:00.000000	2025-10-10 14:00:00.000000	1	2 A10
201	10 2025-11-25 10:00:00.000000	2025-09-24 08:46:32.067402	11	11 DG_10

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4
  - sequences 1
- Database Objects
- Server Objects

201 rows

Services

Tx

- Database
  - postgres@localhost
    - console_5   14 ms
    - flights   449 ms

[2025-11-26 01:40:28] Connected
[2025-11-26 01:40:28] postgres.public> SELECT t.*
                                        FROM lab2.flights t
                                        LIMIT 501
[2025-11-26 01:40:28] 201 rows retrieved starting from 1 in 409 ms (execution: 5 ms, fetching: 404 ms)

```
1   --task 3
2   select booking_id, ticket_price from booking where flight_id = 101;
3
4   begin;
5   update booking
6   set ticket_price = ticket_price * 0.9
7   where flight_id = 101
8   commit;
9
10  select booking_id, ticket_price from booking where flight_id = 101;
```

Tx: Auto   Playground   postgres.lab2

Database Explorer

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4
  - sequences 1
- Database Objects
- Server Objects

Services

Database
- postgres@localhost
  - console_5 489 ms

Output   postgres.lab2.booking

Tx: Auto   DDL   CSV

booking_id	ticket_price
100	10453.50
451	10800.00

2 rows

Database Explorer

console_5

Tx: Auto   Playground   postgres.lab2

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4
  - sequences 1
- Database Objects
- Server Objects

```
1   --task 3
2   select booking_id, ticket_price from booking where flight_id = 101;
3
4   begin;
5   update booking
6   set ticket_price = ticket_price * 0.9
7   where flight_id = 101
8   commit;
9
10  select booking_id, ticket_price from booking where flight_id = 101;
```

Services

Tx

Database
- postgres@localhost
  - console_5   489 ms

Output   postgres.lab2.booking

[2025-11-26 01:39:40] completed in 2 ms
[2025-11-26 01:41:48] postgres.lab2> SELECT booking_id, ticket_price FROM booking WHERE flight_id = 101
[2025-11-26 01:41:48] 2 rows retrieved starting from 1 in 335 ms (execution: 3 ms, fetching: 332 ms)
[2025-11-26 01:49:01] postgres.lab2> begin
[2025-11-26 01:49:01] completed in 2 ms
[2025-11-26 01:49:01] postgres.lab2> update booking
                                     set ticket_price = ticket_price * 0.9
                                     where flight_id = 101
[2025-11-26 01:49:01] 2 rows affected in 5 ms
[2025-11-26 01:49:01] postgres.lab2> commit
[2025-11-26 01:49:01] completed in 1 ms
[2025-11-26 01:49:01] postgres.lab2> select booking_id, ticket_price from booking where flight_id = 101
[2025-11-26 01:49:01] 2 rows retrieved starting from 1 in 472 ms (execution: 6 ms, fetching: 466 ms)

Database Consoles > postgres@localhost > console_5   10:68   LF   UTF

```
1    --task 4
2    begin;
3
4    update passengers
5    set first_name = 'Ислам', last_name = 'Махачев'
6    WHERE passenger_id = '1';
7
8    update booking
9    set passenger_id = '1'
10   where passenger_id = '1';
11
12   commit;
13   rollback;
14
15   select * from passengers where passenger_id = '1'
```

Database Explorer

console_5

Tx: Auto Playground postgres.lab2

```sql
--task 4
begin;

update passengers
set first_name = 'Ислам', last_name = 'Махачев'
WHERE passenger_id = '1';

update booking
set passenger_id = '1'
where passenger_id = '1';

commit;
rollback;

select * from passengers where passenger_id = '1'
```

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4

Services

Output postgres.lab2.passengers

passenger_id	first_name	last_name	date_of_birth	gender	country_of_citizenship	country
1	Ислам	Махачев	1980-01-02	female	Country_2	Country_2

Database
- postgres@localhost
  - console_5 456 ms

1 row

Database Consoles > postgres@localhost > console_5

SUM: 1   1:1   8:15   LF   UTF-8   4 spaces

Database Explorer

console_5 | booking

Tx: Auto | Playground | postgres.lab2

```sql
1   --task 5
2   begin;
3
4   insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_numbe
5   values ( passenger_id 314, first_name 'Хабиб', last_name 'Нурагамедов', date_of_birth '1990-02-15', gender 'Male', country_of_citizenship 'Dagestan', cou
6
7   insert into booking (booking_id, flight_id, passenger_id, booking_platform, created_at, updated_at, status, ticket_price)
8   values ( booking_id 314, flight_id 101, passenger_id 314, booking_platform 'Online', created_at now(), updated_at now(), status 'Confirmed', ticket_price
9
10  commit;
11  rollback;
```

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4

Services

Database
- postgres@localhost
  - console_5 11 ms
  - booking 407 ms

[2025-11-26 02:03:34] postgres.lab2> rollback
[2025-11-26 02:03:34] completed in 1 ms
[2025-11-26 02:03:39] postgres.lab2> begin
[2025-11-26 02:03:39] completed in 2 ms
[2025-11-26 02:03:39] postgres.lab2> insert into passengers (passenger_id, first_name, last_name, date_of_birth, gender, country_of_citizenship, country_of_residence, passport_number, created_at, updated_at)
                                     values (314,'Хабиб', 'Нурагамедов', '1990-02-15', 'Male', 'Dagestan', 'Dagestan', 'P-12345', now(), now())
[2025-11-26 02:03:39] 1 row affected in 2 ms
[2025-11-26 02:03:39] postgres.lab2> insert into booking (booking_id, flight_id, passenger_id, booking_platform, created_at, updated_at, status, ticket_price)
                                     values (314, 101, 314, 'Online', now(), now(), 'Confirmed', 12000)
[2025-11-26 02:03:39] 1 row affected in 3 ms
[2025-11-26 02:03:39] postgres.lab2> commit
[2025-11-26 02:03:39] completed in 1 ms
[2025-11-26 02:03:39] postgres.lab2> rollback
[2025-11-26 02:03:39] [25P01] there is no transaction in progress
[2025-11-26 02:03:39] completed in 2 ms

```
1   --task 6
2 ✓ begin;
3
4 ✓ update booking
5   set ticket_price = ticket_price + 500
6   where flight_id = '101'
7
8 ✓ commit;
9 ✓ rollback;
```

```sql
--task 7

begin;

update baggage

set weight_in_kg = 67

where baggage_id = 67

commit;

rollback;
```

Database Explorer

console_5 ✕   ⊞ baggage   ⊞ booking

```sql
1    --task 8
2 ✓  begin;
3
4 ✓  update booking
5    set ticket_price = ticket_price * 0.9
6    where passenger_id = 12345;
7
8 ✓  commit;
9 ✓  rollback;
10
```

postgres@localhost
  ⊞ airline
  ⊞ airport
  ⊞ baggage
  ⊞ baggage_check
  ⊞ boarding_pass
  ⊞ booking
  ⊞ booking_flight
  ⊞ flights
  ⊞ passengers
  ⊞ security_check
  public
    tables 3
    routines 4

Services

Database
  postgres@localhost
    console_5 7 ms
    booking 407 ms
    baggage 375 ms

```
[2025-11-26 02:20:11] postgres.lab2> begin
[2025-11-26 02:20:11] completed in 1 ms
[2025-11-26 02:20:11] postgres.lab2> update booking
                                     set ticket_price = ticket_price * 0.9
                                     where passenger_id = 12345
[2025-11-26 02:20:11] completed in 1 ms
[2025-11-26 02:20:11] postgres.lab2> commit
[2025-11-26 02:20:11] completed in 1 ms
[2025-11-26 02:20:11] postgres.lab2> rollback
[2025-11-26 02:20:11] [25P01] there is no transaction in progress
[2025-11-26 02:20:11] completed in 1 ms
```

Database Consoles > postgres@localhost > console_5

Database Explorer

console_5   baggage   booking

postgres@localhost
- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- public
  - tables 3
  - routines 4

Tx: Auto   Playground   postgres.lab2

```
1    --task 9
2    begin;
3
4    update booking
5    set flight_id =  101
6    where flight_id = 102
7
8    commit;
9    rollback;
10
```

Services

Tx

- Database
  - postgres@localhost
    - console_5 7 ms
    - booking 407 ms
    - baggage 375 ms

```
[2025-11-26 02:21:01] postgres.lab2> begin
[2025-11-26 02:21:01] completed in 2 ms
[2025-11-26 02:21:01] postgres.lab2> update booking
                                     set flight_id =  101
                                     where flight_id = 102
[2025-11-26 02:21:01] 2 rows affected in 1 ms
[2025-11-26 02:21:01] postgres.lab2> commit
[2025-11-26 02:21:01] completed in 1 ms
[2025-11-26 02:21:01] postgres.lab2> rollback
[2025-11-26 02:21:01] [25P01] there is no transaction in progress
[2025-11-26 02:21:01] completed in 1 ms
```