DB_lab2 Version control

Database Explorer

console

Tx: Auto Playground zhanel.public

postgres@localhost 2

```
1  SELECT f.*
2  FROM flights f
3  JOIN airline a ON f.airline_id = a.airline_id
4  WHERE a.airline_name = 'Air Astana';
5
```

Services

Output zhanel.public.flights

```
[2025-11-03 13:55:36] zhanel.public> SELECT f.*
                                     FROM flights f
                                     JOIN airline a ON f.airline_id = a.airline_id
                                     WHERE a.airline_name = 'Air Astana'
[2025-11-03 13:55:36] 0 rows retrieved in 459 ms (execution: 17 ms, fetching: 442 ms)
```

Database

postgres@localhost

console 995 ms

Database Consoles > postgres@localhost > console

4:37 LF UTF-8 4 spaces

DB_lab2 Version control

Database Explorer

console

Tx: Auto Playground zhanel.public

```
1  --2
2  SELECT f.flight_id, a.airport_name AS departure_airport, f.destination
3  FROM flight f
4  JOIN airports a 1..n<->1: ON f.departure_airport = a.airport_id;
```

postgres@localhost 2

DDL

Services

Database

postgres@localhost

console 341 ms

Output Result 7

Tx: Auto DDL CSV

	flight_id	departure_airport	destination
1	1	Almaty Airport	Istanbul
2	2	Istanbul Airport	Asta

2 rows

Database Consoles > postgres@localhost > console

4:55 LF UTF-8 4 spaces

DB_lab2 Version control

Database Explorer

console

Tx: Auto Playground zhanel.public

postgres@localhost 2

```
1  --3
2  SELECT a.airline_name
3  FROM airline a
4  LEFT JOIN flight f
5    ON a.airline_id = f.airline_id
6    AND f.departure_time BETWEEN NOW() AND NOW() + INTERVAL '1 month'
7  WHERE f.flight_id IS NULL;
8
9
10
```

Services

Output zhanel.public.airline

Database

postgres@localhost

console 352 ms

Tx: Auto DDL CSV

	airline_name
1	IPC
2	PDN
3	KLE
4	KHS
5	YLQ
6	NGL
7	0
8	QIG
9	NQX
10	SOZ
11	IVA
12	KOQ
13	IFH
14	PIR
15	KKG

51 rows

Database Consoles > postgres@localhost > console

10:1 LF UTF-8 4 spaces

DB_lab2 Version control

Database Explorer

postgres@localhost 2

console

Tx: Auto Playground zhanel.public

```
1  --4
2  SELECT p.full_name
3  FROM passengers p
4  JOIN ticket t 1<->1..n: ON p.passenger_id = t.passenger_id
5  JOIN flight f 1..n<->1: ON t.flight_id = f.flight_id
6  WHERE f.flight_id = 1;
7
8
9
10
```

Services

Database

postgres@localhost

console 336 ms

Output zhanel.public.passengers

```
[2025-11-03 14:18:02] completed in 11 ms
[2025-11-03 14:18:07] zhanel.public> SELECT p.full_name
                                     FROM passengers p
                                     JOIN ticket t ON p.passenger_id = t.passenger_id
                                     JOIN flight f ON t.flight_id = f.flight_id
                                     WHERE f.flight_id = 1
[2025-11-03 14:18:07] 0 rows retrieved in 326 ms (execution: 4 ms, fetching: 322 ms)
```

Database Consoles > postgres@localhost > console 9:1 LF UTF-8 4 spaces

DB_lab2 Version control

Database Explorer

DDL

postgres@localhost 2

console

Tx: Auto Playground zhanel.public

```
1  --5
2  SELECT f.destination,
3         AVG(t.price) AS avg_price,
4         MAX(t.price) AS max_price,
5         MIN(t.price) AS min_price
6  FROM flight f
7  JOIN ticket t 1<->1..n: ON f.flight_id = t.flight_id
8  GROUP BY f.destination;
9
```

Services

Tx

Database

postgres@localhost

console 873 ms

Output --5

```
[2025-11-03 15:12:01] zhanel.public> SELECT f.destination,
                                            AVG(t.price) AS avg_price,
                                            MAX(t.price) AS max_price,
                                            MIN(t.price) AS min_price
                                     FROM flight f
                                     JOIN ticket t ON f.flight_id = t.flight_id
                                     GROUP BY f.destination
[2025-11-03 15:12:01] 0 rows retrieved in 352 ms (execution: 23 ms, fetching: 329 ms)
```

DB DB_lab2 Version control

Database Explorer

postgres@localhost 2

console

Tx: Auto Playground zhanel.public

```
1   --6
2   SELECT f.flight_id,
3          f.flight_no,
4          a.airline_name,
5          ap.airport_name AS destination_airport,
6          ap.country AS destination_country
7   FROM flights f
8   JOIN airline a ON f.airline_id = a.airline_id
9   JOIN airport ap ON f.arrival_airport_id = ap.airport_id
10  WHERE ap.country = 'Kazakhstan';
11
```

Services

Database

postgres@localhost

console 843 ms

Output --6

```
[2025-11-03 15:52:31] zhanel.public> SELECT f.flight_id,
                                            f.flight_no,
                                            a.airline_name,
                                            ap.airport_name AS destination_airport,
                                            ap.country AS destination_country
                                     FROM flights f
                                     JOIN airline a ON f.airline_id = a.airline_id
                                     JOIN airport ap ON f.arrival_airport_id = ap.airport_id
                                     WHERE ap.country = 'Kazakhstan'
[2025-11-03 15:52:31] 0 rows retrieved in 334 ms (execution: 11 ms, fetching: 323 ms)
```

Database Consoles > postgres@localhost > console

11:1 LF UTF-8 4 spaces

DB_lab2 Version control

Database Explorer

console

Tx: Auto Playground zhanel.public

```
1  --7
2  SELECT p.full_name,
3         ap.airport_name AS arrival_airport
4  FROM passengers p
5  JOIN ticket t 1<->1..n: ON p.passenger_id = t.passenger_id
6  JOIN flights f ON t.flight_id = f.flight_id
7  JOIN airport ap ON f.arrival_airport_id = ap.airport_id
8  WHERE AGE(CURRENT_DATE, p.date_of_birth) < INTERVAL '18 years';
```

postgres@localhost 2

DDL

Services

Output --7

```
[2025-11-03 15:57:25] zhanel.public> SELECT p.full_name,
                                            ap.airport_name AS arrival_airport
                                     FROM passengers p
                                     JOIN ticket t ON p.passenger_id = t.passenger_id
                                     JOIN flights f ON t.flight_id = f.flight_id
                                     JOIN airport ap ON f.arrival_airport_id = ap.airport_id
                                     WHERE AGE(CURRENT_DATE, p.date_of_birth) < INTERVAL '18 years'
[2025-11-03 15:57:25] 0 rows retrieved in 324 ms (execution: 9 ms, fetching: 315 ms)
```

Database

postgres@localhost

console 347 ms

Database Consoles > postgres@localhost > console

8:64 LF UTF-8 4 spaces

DB DB_lab2 Version control

Database Explorer

DDL

postgres@localhost 2

console

Tx: Auto Playground zhanel.public

```
1  --8
2  SELECT p.full_name,
3         p.passport_number,
4         f.scheduled_arrival AS arrival_time
5  FROM passengers p
6  JOIN ticket t  1<->1..n:  ON p.passenger_id = t.passenger_id
7  JOIN flights f ON t.flight_id = f.flight_id;
8
```

Services

Tx

Database

postgres@localhost

console 794 ms

Output --8

```
[2025-11-03 16:03:40] completed in 1 ms
[2025-11-03 16:03:40] zhanel.public> SELECT p.full_name,
                                            p.passport_number,
                                            f.scheduled_arrival AS arrival_time
                                     FROM passengers p
                                     JOIN ticket t ON p.passenger_id = t.passenger_id
                                     JOIN flights f ON t.flight_id = f.flight_id
[2025-11-03 16:03:40] 0 rows retrieved in 331 ms (execution: 8 ms, fetching: 323 ms)
```

Database Consoles > postgres@localhost > console

6:12 LF UTF-8 4 spaces

DB DB_lab2 Version control

Database Explorer

postgres@localhost 2

console

Tx: Auto Playground zhanel.public

```
1   --9
2   SELECT f.flight_id,
3          f.flight_no,
4          a.airline_name,
5          ap.country AS origin_country
6   FROM flights f
7   JOIN airline a ON f.airline_id = a.airline_id
8   JOIN airport ap ON f.departure_airport_id = ap.airport_id
9   WHERE a.airline_country = ap.country
10  GROUP BY f.flight_id, f.flight_no, a.airline_name, ap.country;
```

Services

Output --9

Database

postgres@localhost

console 376 ms

Tx: Auto DDL CSV

	flight_id	flight_no	airline_name	origin_country
1	948	US-WA	YLP	Brazil
2	292	VN-U-A	DUC	Poland
3	748	BR-MG	YHB	China
4	37	ID-MU	KIQ	China
5	983	GA-6	PIR	China
6	895	BR-PE	YEK	China
7	663	UG-212	KGF	Indonesia
8	570	KE-500	MXW	China
9	421	CA-ON	KIQ	China
10	521	TZ-24	YEK	China
11	659	BR-PR	IVA	Philippines
12	950	GY-DE	GYA	China
13	518	PE-HUC	XLU	China
14	395	MY-14	DNU	Russia

74 rows

Database Consoles > postgres@localhost > console

10:63 LF UTF-8 4 spaces