

airport_database/postgres@PostgreSQL 17* X

Servers (2) airport_database/postgres@PostgreSQL 17

Databases (4) No limit

Login/Group Roles Tablespaces

PostgreSQL 18

Query Query History

```
1 SELECT
2     f.flight_id,
3     f.flight_no,
4     f.scheduled_departure,
5     f.scheduled_arrival,
6     f.departure_airport_id,
7     f.arrival_airport_id,
8     f.departing_gate,
9     f.arriving_gate,
10    f.status,
11    a.airline_name,
12    a.airline_code,
13    a.airline_country
14   FROM flights f
15   JOIN airline a
16     ON f.airline_id = a.airline_id
17 WHERE a.airline_name = 'American Airlines'
18 ORDER BY f.scheduled_departure;
```

Data Output Messages Notifications

flight_id flight_no scheduled_departure scheduled_arrival departure_airport_id arrival_airport_id departing_gate arriving_gate status

Total rows: 0 Query complete 00:00:01.059 LF Ln 19, Col 1

airport_database/postgres@PostgreSQL 17*

Servers (2) airport_database/postgres@PostgreSQL 17

Databases (4) No limit

Login/Group Roles Tablespaces

PostgreSQL 18

```

1 SELECT
2     f.flight_id,
3     f.flight_no,
4     f.scheduled_departure,
5     f.scheduled_arrival,
6     a.airport_name AS departure_airport_name,
7     a.city      AS departure_city,
8     a.country   AS departure_country
9 FROM flights f
10 JOIN airport a
11     ON f.departure_airport_id = a.airport_id;
12

```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_name character varying (50)	departure_city character varying (50)	departure_country character varying (50)
1	1	US-CT	2024-01-22	2023-09-08	Elorza Airport	Shuiting	China
2	2	US-NM	2023-07-21	2023-09-17	Figari Sud-Corse Airport	Itapetinga	Brazil
3	3	FI-OL	2023-03-29	2023-08-01	Darchula Airport	Hilotongan	Philippines
4	4	RU-KR	2024-01-02	2023-03-18	Lime Acres Finsch Mine Airport	Tielu	China
5	5	RO-DJ	2023-07-03	2023-11-28	Hana Airport	Wilmington	United States
6	6	CA-SK	2023-07-07	2023-09-11	Darchula Airport	Hilotongan	Philippines
7	7	AU-TAS	2023-10-12	2024-02-24	Ocean Falls Seaplane Base	New Sibonga	Philippines
8	8	US-AZ	2023-07-29	2023-04-08	Figari Sud-Corse Airport	Itapetinga	Brazil
9	9	IN-OR	2023-05-18	2023-09-19	Hana Airport	Wilmington	United States

Total rows: 1000 Query complete 00:00:00.802 LF Ln 12, Col 1

The screenshot shows a DBeaver SQL Workbench interface with the following details:

- Servers:** Servers (2) - PostgreSQL 17 (selected), PostgreSQL 18.
- Databases:** Databases (4) - airport_database (selected).
- Query Tab:** Contains the following SQL query:

```
1 SELECT
2     a.airline_id,
3     a.airline_name,
4     a.airline_code
5 FROM airline a
6 LEFT JOIN flights f
7     ON a.airline_id = f.airline_id
8     AND f.scheduled_departure >= date_trunc('month', CURRENT_DATE + INTERVAL '1 month')
9     AND f.scheduled_departure < date_trunc('month', CURRENT_DATE + INTERVAL '2 month')
10 WHERE f.flight_id IS NULL;
11
```
- Data Output Tab:** Shows the results of the query in a table format. The columns are airline_id, airline_name, and airline_code. The data includes rows for SSL, CLY, YHB, KKL, IVA, GYA, and YLP.
- Messages:** Shows "Showing rows: 1 to 50" and "Page No: 1 of 1".
- Notifications:** Shows a green message: "Successfully run. Total query runtime: 596 msec. 50 rows affected."
- Bottom Status:** Total rows: 50, Query complete 00:00:00.596, LF, Ln 11, Col 1.

The screenshot shows the DBeaver interface with the following details:

- Servers:** Shows 2 servers: PostgreSQL 17 and PostgreSQL 18.
- Databases:** Under PostgreSQL 17, there are 4 databases: **Databases (4)**.
- Login/Group Roles:** Under PostgreSQL 17, there are **Login/Group Roles**.
- Tablespaces:** Under PostgreSQL 17, there are **Tablespaces**.
- Current Connection:** **airport_database/postgres@PostgreSQL 17***
- Query Editor:** Contains the following SQL query:

```
1 SELECT
2     p.passenger_id,
3     p.first_name,
4     p.last_name,
5     p.gender,
6     p.country_of_citizenship
7 FROM flights f
8 JOIN booking_flight bf
9      ON f.flight_id = bf.flight_id
10 JOIN booking b
11      ON bf.booking_id = b.booking_id
12 JOIN passengers p
13      ON b.passenger_id = p.passenger_id
14 WHERE f.flight_id = 10;
15
```
- Data Output:** Shows the structure of the **passengers** table:

	passenger_id	first_name	last_name	gender	country_of_citizenship
	[PK] integer	character varying (50)	character varying (50)	character varying (50)	character varying (50)
- Messages:** No messages displayed.
- Notifications:** No notifications displayed.
- Status Bar:** Total rows: 0 | Query complete 00:00:00.833 | LF | Ln 15, Col 1
- Bottom Status:** A green message bar indicates: **Successfully run. Total query runtime: 833 msec. 0 rows affected.**

airport_database/postgres@PostgreSQL 17*

Servers (2) PostgreSQL 17 Databases (4) Login/Group Roles Tablespaces PostgreSQL 18

Query History

```
1 SELECT
2     f.flight_id,
3     f.flight_no,
4     AVG(b.price) AS average_price,
5     SUM(b.price) AS total_price,
6     MAX(b.price) AS max_price,
7     MIN(b.price) AS min_price
8 FROM flights f
9 JOIN booking_flight bf
10    ON f.flight_id = bf.flight_id
11 JOIN booking b
12    ON bf.booking_id = b.booking_id
13 GROUP BY
14     f.flight_id,
15     f.flight_no;
```

Data Output Messages Notifications

Showing rows: 1 to 364 Page No: 1 of 1

	flight_id [PK] integer	flight_no character varying (50)	average_price numeric	total_price numeric	max_price numeric	min_price numeric
1	790	CN-35	7988.950000000000000000	15977.90	9851.86	6126.04
2	625	PG-NPP	9732.610000000000000000	9732.61	9732.61	9732.61
3	617	LY-BA	3957.320000000000000000	3957.32	3957.32	3957.32
4	351	CL-RM	3087.370000000000000000	3087.37	3087.37	3087.37
5	184	PH-BAS	2183.140000000000000000	2183.14	2183.14	2183.14
6	273	AU-WA	8929.200000000000000000	8929.20	8929.20	8929.20
7	765	AU-NT	4903.700000000000000000	4903.70	4903.70	4903.70

Successfully run. Total query runtime: 693 msec. 364 rows affected.

Total rows: 364 Query complete 00:00:00.693

LF Ln 16, Col 1

The screenshot shows the DBeaver SQL Workbench interface. The left sidebar displays the 'Servers' section with two entries: 'PostgreSQL 17' and 'PostgreSQL 18'. The main area is a query editor titled 'airport_database/postgres@PostgreSQL 17'. The query itself is a SELECT statement:

```
1  SELECT
2      al.airline_name,
3      al.airline_country,
4      COUNT(f.flight_id)      AS number_of_flights,
5      arr_airport.country    AS destination_country
6  FROM flights f
7  JOIN airport arr_airport
8      ON f.arrival_airport_id = arr_airport.airport_id
9  JOIN airline al
10     ON f.airline_id = al.airline_id
11 WHERE arr_airport.country = 'Spain'
12 GROUP BY
13     al.airline_name,
14     al.airline_country,
15     arr_airport.country
16 ORDER BY
17     number_of_flights DESC;
18
```

Below the query editor, there are tabs for 'Data Output', 'Messages', and 'Notifications'. The 'Data Output' tab is selected, showing a table structure with four columns:

	airline_name character varying (50)	airline_country character varying (50)	number_of_flights bigint	destination_country character varying (50)
--	--	---	-----------------------------	---

A green success message at the bottom right states: 'Successfully run. Total query runtime: 712 msec. 0 rows affected.' The status bar at the bottom shows 'Total rows: 0' and 'Query complete 00:00:00.712'.

airport_database/postgres@PostgreSQL 17*

Servers (2) airport_database/postgres@PostgreSQL 17

Databases (4) No limit

Login/Group Roles Tablespaces

PostgreSQL 18

```

1  SELECT
2      p.passenger_id,
3      p.first_name,
4      p.last_name,
5      p.date_of_birth,
6      a.airport_name AS arrival_airport,
7      a.city      AS arrival_city,
8      a.country    AS arrival_country
9  FROM passengers p
10 JOIN booking b
11     ON p.passenger_id = b.passenger_id
12 JOIN booking_flight bf
13     ON b.booking_id = bf.booking_id
14 JOIN flights f
15     ON bf.flight_id = f.flight_id
16 JOIN airport a
17     ON f.arrival_airport_id = a.airport_id
18 WHERE AGE(CURRENT_DATE, p.date_of_birth) < INTERVAL '18 years';
19

```

Data Output Messages Notifications

Showing rows: 1 to 16 | Page No: 1 of 1 | < < > >>

	passenger_id integer	first_name character varying (50)	last_name character varying (50)	date_of_birth date	arrival_airport character varying (50)	arrival_city character varying (50)	arrival_country character varying (50)
1	70	Lester	Blades	2008-07-04	Figari Sud-Corse Airport	Itapetinga	Brazil
2	41	Cleve	Edgeler	2009-04-20	Fort Worth Alliance Airport	Rogóźno	Poland
3	159	Vivyan	Mallabone	2009-11-01	Hana Airport	Wilmington	United States
4	184	Ronniqa	Laybourn	2009-03-06	Hana Airport	Wilmington	United States
5	159	Vivyan	Mallabone	2009-11-01	Hana Airport	Wilmington	United States
6	41	Cleve	Edgeler	2009-04-20	Industrial Airpark	Guilhulñan	Philippines
7	70	Lester	Blades	2008-07-04	Longana Airport		

✓ Successfully run. Total query runtime: 716 msec. 16 rows affected.

Total rows: 16 Query complete 00:00:00.716 LF Ln 19, Col 1

airport_database/postgres@PostgreSQL 17* X

Servers (2) PostgreSQL 17 Databases (4) Login/Group Roles Tablespaces PostgreSQL 18

Query History

```
6     al.airline_name,
7     COALESCE(f.actual_arrival, f.scheduled_arrival) AS current_estimated_arrival,
8
9     arr_airport.airport_name AS arrival_airport,
10    arr_airport.city      AS arrival_city,
11    arr_airport.country    AS arrival_country,
12
13    dep_airport.airport_name AS departure_airport,
14    dep_airport.city        AS departure_city,
15
16    f.status   AS flight_status,
17    b.booking_id,
18    b.status   AS booking_status
19 FROM passengers p
20 JOIN booking b
21   ON p.passenger_id = b.passenger_id
22 JOIN booking_flight bf
23   ON b.booking_id = bf.booking_id
24 JOIN flights f
25   ON bf.flight_id = f.flight_id
26 JOIN airport arr_airport
27   ON f.arrival_airport_id = arr_airport.airport_id
28 JOIN airport dep_airport
29   ON f.departure_airport_id = dep_airport.airport_id
30 JOIN airline al
31   ON f.airline_id = al.airline_id
32 WHERE b.status IN ('Confirmed', 'Checked-in', 'Boarded')
33 ORDER BY
34   current_estimated_arrival,
35   p.last_name,
36   p.first_name;
```

Data Output Messages Notifications

SQL

	passenger_id	full_name	passport_number	flight_no	airline_name	current_estimated_arrival	arrival_airport	arrival_city	arrival_country
	integer	text	character varying (50)	character varying (50)	character varying (50)	date	character varying (50)	character varying (50)	character varying (50)

Total rows: 0 | Query complete 00:00:01.138 | LF | Ln 35, Col 5

airport_database/postgres@PostgreSQL 17*

Servers (2) airport_database/postgres@PostgreSQL 17

Databases (4) No limit

Login/Group Roles Tablespaces

PostgreSQL 18

```

1  SELECT
2      ap.country      AS airport_country,
3      f.flight_id,
4      f.flight_no,
5      al.airline_name,
6      al.airline_country
7  FROM flights f
8  JOIN airport ap
9      ON f.departure_airport_id = ap.airport_id
10 JOIN airline al
11     ON f.airline_id = al.airline_id
12 WHERE al.airline_country = ap.country
13 GROUP BY
14     ap.country,
15     f.flight_id,
16     f.flight_no,
17     al.airline_name,
18     al.airline_country
19 ORDER BY
20     ap.country;
21

```

Data Output Messages Notifications

Showing rows: 1 to 74 Page No: 1 of 1

	airport_country character varying (50)	flight_id integer	flight_no character varying (50)	airline_name character varying (50)	airline_country character varying (50)
1	Brazil	141	SB-WE	PDN	Brazil
2	Brazil	333	IT-45	RBR	Brazil
3	Brazil	579	CL-AR	YLP	Brazil
4	Brazil	783	PG-WPD	YLP	Brazil
5	Brazil	948	US-WA	YLP	Brazil
6	China	1	US-CT	GYA	China
7	China	37	ID-MU	KIQ	China
8	China	39	PG-MPL	SJS	China
9	China	48	OM-ZA	JKR	China
10	China	60	ZW-MN	GXA	China

Total rows: 74 Query complete 00:00:01.413

LF Ln 21, Col 1