

1)

lab3/postgres@Localhost

Query Query History

```
1 SELECT f.flight_no,
2       f.departure_airport_id,
3       f.arrival_airport_id,
4       a.airline_name
5 FROM flights f
6 JOIN airline a ON f.airline_id = a.airline_id
7 WHERE a.airline_name = 'Air Astana';
8
9
10
```

Data Output Messages Notifications

flight_no	departure_airport_id	arrival_airport_id	airline_name
character varying (50)	integer	integer	character varying (50)

2)

Query Query History

```
1 SELECT f.flight_no,
2       dep.airport_name AS departure_airport
3 FROM flights f
4 JOIN airport dep ON f.departure_airport_id = dep.airport_id;
5
6
7
8
9
```

Data Output Messages Notifications

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

flight_no	departure_airport
IN-OR	Hana Airport
AU-NT	Longana Airport
TH-57	Delta County Airport
CA-NL	Elorza Airport
BR-PE	Figari Sud-Corse Airport
US-IN	Darchula Airport
ML-2	Akunag Heliport
NA-CA	Zephyrhills Municipal Airport
ES-AN	Figari Sud-Corse Airport
TH-32	Fort Worth Alliance Airport
N7-WKN	Fort Worth Alliance Airport

Total rows: 1000 Query complete 00:00:00.183 CRLF Ln 5, Col 1

3)

Query

```

1 SELECT a.airline_name
2 FROM airline a
3 LEFT JOIN flights f
4   ON a.airline_id = f.airline_id
5    AND DATE_TRUNC('month', f.scheduled_departure) =
6        DATE_TRUNC('month', CURRENT_DATE + INTERVAL '1 month')
7 WHERE f.flight_id IS NULL;
8
9
10
11
12

```

Data Output Messages Notifications

+/- SQL

Showing rows: 1 to 50 Page No: 1 of 1

	airline_name <small>character varying (50)</small>
1	SSL
2	CLY
3	YHB
4	KKL
5	IVA
6	Gya
7	YLP
8	BLD
9	YEK
10	SMM
11	knn

Total rows: 50 Query complete 00:00:00.151 CRLF Ln 8, Col 1

4)

Query

Query History

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```
SELECT p.first_name,  
       p.last_name,  
       f.flight_no  
FROM   passengers p  
JOIN   booking b ON p.passenger_id = b.passenger_id  
JOIN   booking_flight bf ON b.booking_id = bf.booking_id  
JOIN   flights f ON bf.flight_id = f.flight_id  
WHERE  f.flight_no = 'KC101';
```

Data Output

Messages

Notifications

SQL

first_name
character varying (50)

last_name
character varying (50)

flight_no
character varying (50)

✓ Successfully run. Total query runtime: 95 msec. 0 rows affected. ✕

Total rows: 0 Query complete 00:00:00.095

CRLF Ln 6, Col 20

5)

Query Query History

```

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

```

Data Output Messages Notifications

Showing rows: 1 to 384 Page No: 1 of 1

	flight_no character varying (50)	avg_price numeric	total_price numeric	max_price numeric	min_price numeric
1	FR-O	917.9900000000000000	917.99	917.99	917.99
2	ZA-NL	4020.3000000000000000	8040.60	6014.71	2025.89
3	AF-FRA	7638.5500000000000000	7638.55	7638.55	7638.55
4	CH-NE	3998.7850000000000000	7997.57	5711.67	2285.90
5	HR-18	2077.1800000000000000	2077.18	2077.18	2077.18
6	US-NV	5642.3700000000000000	5642.37	5642.37	5642.37
7	CA-AB	4395.2333333333333333	13185.70	5203.21	2779.28
8	BR-PA	2070.0100000000000000	2070.01	2070.01	2070.01
9	UA-32	2536.2650000000000000	5072.53	3194.55	1877.98
10	RU-SAK	1767.0025000000000000	7068.01	2880.33	156.83
11	ALLWA	4714.8560000000000000	47148.56	8029.20	917.99

Total rows: 384 Query complete 00:00:00.158

✓ Successfully run. Total query runtime: 158 msec. 384 rows affected. ✕

CRLF Ln 7, Col 20

6)

Query Query History

```

1 SELECT f.flight_no,
2       arr.airport_name AS arrival_airport,
3       a.airline_name,
4       arr.country
5 FROM flights f
6 JOIN airport arr ON f.arrival_airport_id = arr.airport_id
7 JOIN airline a ON f.airline_id = a.airline_id
8 WHERE arr.country = 'France';
9

```

Data Output Messages Notifications

Showing rows: 1 to 0 Page No: 1 of 1

	flight_no character varying (50)	arrivalAirport character varying (50)	airline_name character varying (50)	country character varying (50)
--	-------------------------------------	------------------------------------------	----------------------------------------	-----------------------------------

Total rows: 0 Query complete 00:00:00.080

✓ Successfully run. Total query runtime: 80 msec. 0 rows affected. ✕

CRLF Ln 9, Col 1

7)

Query
Query History

```

1  SELECT p.first_name,
2         p.last_name,
3         arr.airport_name AS arrival_destination
4  FROM passengers p
5  JOIN booking b ON p.passenger_id = b.passenger_id
6  JOIN booking_flight bf ON b.booking_id = bf.booking_id
7  JOIN flights f ON bf.flight_id = f.flight_id
8  JOIN airport arr ON f.arrival_airport_id = arr.airport_id
9  WHERE DATE_PART('year', AGE(p.date_of_birth)) < 18;
10

```

Data Output
Messages
Notifications

first_name
character varying (50)
last_name
character varying (50)
arrival_destination
character varying (50)

Total rows: 0
Query complete 00:00:00.059

✓ Successfully run. Total query runtime: 59 msec. 0 rows affected. ✕

CRLF
Ln 6, Col 20

8)

Query
Query History

```

1  SELECT p.first_name || ' ' || p.last_name AS full_name,
2         p.passport_number,
3         f.actual_arrival
4  FROM passengers p
5  JOIN booking b ON p.passenger_id = b.passenger_id
6  JOIN booking_flight bf ON b.booking_id = bf.booking_id
7  JOIN flights f ON bf.flight_id = f.flight_id;
8

```

Data Output
Messages
Notifications

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

	full_name text	passport_number character varying (50)	actual_arrival date
1	Muhammad Fass	109932770-9	2023-07-18
2	Trevar Broun	788025864-7	2024-02-11
3	Auria Breffit	570537341-4	2023-07-11
4	Archie Toffel	677556708-1	2023-06-17
5	Sanders Biddles	514546405-3	2023-09-05
6	Sanders Biddles	514546405-3	2024-03-01
7	Remington Piggot	470074456-1	2023-05-31
8	Glynis Marle	209933120-0	2024-02-02
9	Cesaro McGennis	364900190-X	2023-04-03
10	Con Borrel	837859465-3	2024-02-15
11	Lorianna Robbie	435354132-3	2024-01-19

Total rows: 1000
Query complete 00:00:00.103

✓ Successfully run. Total query runtime: 103 msec. 1000 rows affected. ✕

CRLF
Ln 2, Col 26

9)

Query

Query History

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SELECT

f.flight_no,

dep.country AS airport_country,

a.airline_country

FROM

flights f

JOIN

airport dep ON

f.departure_airport_id = dep.airport_id

JOIN

airline a ON

f.airline_id = a.airline_id

WHERE

dep.country = a.airline_country

GROUP BY

f.flight_no, dep.country, a.airline_country;

Data Output

Messages

Notifications

SQL

Showing rows: 1 to 69

Page No: 1

of 1

	flight_no character varying (50)	airport_country character varying (50)	airline_country character varying (50)
1	AU-NSW	China	China
2	AU-NT	China	China
3	AU-NT	Greece	Greece
4	AU-QLD	Poland	Poland
5	AU-WA	China	China
6	BR-AM	China	China
7	BR-BA	China	China
8	BR-MG	China	China
9	BR-PE	China	China
10	BR-PR	Philippines	Philippines
11	RS-NP	China	China

✓ Successfully run. Total query runtime: 88 msec. 69 rows affected. ✕

Total rows: 69

Query complete 00:00:00.088

CRLF

Ln 9, Col 1