

Database Explorer

postgres@localhost 1

- postgres [1 of 3]
 - public
 - tables 10
 - airline
 - columns 6
 - airline_id integer
 - airline_code varchar(30)
 - airline_name varchar(50)
 - airline_country varchar(50)
 - created_at timestamp
 - updated_at timestamp
 - keys 2
 - indexes 2
 - airport
 - columns 7
 - keys 2
 - indexes 2
 - checks 1
 - baggage
 - baggage_check

airport.sql console baggage_check

```
1 SELECT *
2 FROM Flights
3 WHERE airline_id = (SELECT airline_id FROM airline WHERE airline_name = 'Specific Airline');
4
```

Services

Database

- postgres@localhost
 - baggage_check
 - baggage_check
 - console 1 s 427 ms
 - console 1 s 427 ms

Output postgres.public.flights

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_air
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4:1 (115 chars, 3 line breaks) CRLF UTF-8 4 spaces

Database Explorer

postgres@localhost 1

postgres [1 of 3]

public

tables 10

airline

columns 6

airline_id integer

airline_code varchar(30)

airline_name varchar(50)

airline_country varchar(50)

created_at timestamp

updated_at timestamp

keys 2

indexes 2

airport

columns 7

keys 2

indexes 2

checks 1

baggage

baggage_check

airport.sql

console x

baggage_check

1 ✓

2

3

4

SELECT f.flight_id, dep_airport.airport_name AS departure_airport_name

FROM Flights f

JOIN airport dep_airport 1.n<->1: ON f.departing_airport_id = dep_airport.airport_id;

Services

Database

postgres@localhost

baggage_check

baggage_check

console 59 ms

console 59 ms

Output

Result 5 x

0 rows

CSV

flight_id

departure_airport_name

4:1 (172 chars, 3 line breaks) CRLF UTF-8 4 spaces

Database Consoles > postgres@localhost > console

Database Explorer

postgres@localhost

- booking_flight
- flights
 - columns 12
 - flight_id integer
 - sch_departure_time timestamp
 - sch_arrival_time timestamp
 - departing_airport_id integer
 - arriving_airport_id integer
 - departing_gate text
 - arriving_gate varchar(50)
 - airline_id integer
 - act_departure_time timestamp
 - act_arrival_time timestamp
 - created_at timestamp
 - updated_at timestamp
 - keys 2
 - foreign keys 3
 - indexes 2
- passengers
- security_check

airport.sql console flights baggage_check

```
1 SELECT a.airline_name
2 FROM airline a
3     LEFT JOIN flights f ON a.airline_id = f.airline_id
4     AND f.sch_departure_time BETWEEN CURRENT_DATE AND CURRENT_DATE + INTERVAL '1 month'
5 WHERE f.flight_id IS NULL;
6
```

Services

Database

- postgres@localhost
 - flights 149 ms
 - baggage_check
 - console 90 ms

Output postgres.public.airline

- 4 rows
- airline_name
 - 1 KazAero
 - 2 AeroEasy
 - 3 FlyHigh
 - 4 FlyFly

Database Consoles > postgres@localhost > console

6:1 (212 chars, 5 line breaks) CRLF UTF-8 4 spaces

Database Explorer

postgres@localhost

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
 - columns
 - booking_id integer
 - flight_id integer
 - passenger_id integer
 - booking_platform varchar(50)
 - created_at timestamp
 - updated_at timestamp
 - status varchar(50)
 - ticket_price numeric(7,2)
 - ticket_discount numeric
 - keys 2
 - foreign keys 1
 - indexes 2
 - checks 2

airport.sql

console

flights

baggage_check

postgres@public

SELECT f.flight_id,
AVG(b.ticket_price) AS average_price,
SUM(b.ticket_price) AS total_price,
MAX(b.ticket_price) AS max_price,
MIN(b.ticket_price) AS min_price
FROM flights f
JOIN booking b ON f.flight_id = b.flight_id
GROUP BY f.flight_id;

Services

Database

- postgres@localhost
 - flights 149 ms
 - flights 149 ms
 - baggage_check
 - baggage_check
 - console 53 ms
 - console 53 ms

Output

Result 21

0 rows

CSV

flight_id

average_price

total_price

max_price

min_price

Database Consoles > postgres@localhost > console7:53 (279 chars, 8 line breaks) CRLF UTF-8 4 spaces

Database Explorer

postgres@localhost

postgres [1 of 3]

public

tables 10

airline

airport

columns 7

airport_id Integer

airport_name Varchar(50)

country Varchar(50)

state Varchar(50)

city Varchar(50)

created_at timestamp

updated_at timestamp

keys 2

indexes 2

checks 1

baggage

baggage_check

boarding_pass

booking

airport.sql

console

flights

baggage_check

1

2

3

4

5

6

SELECT f.flight_id, a.airport_name, f.sch_departure_time, f.sch_arrival_time

FROM flights f

JOIN airport a ON f.flight_id = a.airport_id

JOIN airline al 1.n<->1: ON f.airline_id = al.airline_id

WHERE a.country = 'SPECIFIC_COUNTRY'; -- Replace with actual country name

Services

Database

postgres@localhost

flights 149 ms

flights 149 ms

baggage_check

baggage_check

console 40 ms

console 40 ms

Output

Result 22

0 rows

CSV

flight_id

airport_name

sch_departure_time

sch_arrival_time

Database Consoles

postgres@localhost

console

6:1 (278 chars, 5 line breaks)

CRLF

UTF-8

4 spaces

Database Explorer

postgres@localhost

- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
 - columns 10
 - passenger_id integer
 - first_name varchar(50)
 - last_name varchar(50)
 - date_of_birth date
 - gender varchar(50)
 - country_of_citizenship varchar(50)
 - country_of_residence varchar(50)
 - passport_number varchar(20)
 - created_at timestamp
 - updated_at timestamp
 - keys 2
 - indexes 2
 - checks 1

airport.sql console flights baggage_check

1 SELECT p.first_name, p.last_name, f.flight_id

2 FROM passengers p

3 JOIN booking b ON p.passenger_id = b.passenger_id

4 JOIN flights f ON b.flight_id = f.flight_id

5 WHERE EXTRACT(YEAR FROM AGE(p.date_of_birth)) < 18;

6

Services

Database

- postgres@localhost
 - flights 149 ms
 - baggage_check 48 ms
 - console 48 ms

Output Result 26

0 rows

first_name last_name flight_id

Database Consoles > postgres@localhost > console 5:52 (228 chars, 5 line breaks) CRLF UTF-8 4 spaces

Database Explorer

postgres@localhost

- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
 - columns 10
 - passenger_id integer
 - first_name varchar(50)
 - last_name varchar(50)
 - date_of_birth date
 - gender varchar(50)
 - country_of_citizenship varchar(50)
 - country_of_residence varchar(50)
 - passport_number varchar(20)
 - created_at timestamp
 - updated_at timestamp
 - keys 2
 - indexes 2
 - checks 1

airport.sql console flights baggage_check

1 SELECT CONCAT(p.first_name, ' ', p.last_name) AS full_name,

2 p.passport_number,

3 f.sch_arrival_time AS arrival_time

4 FROM passengers p

5 JOIN flights f ON f.flight_id = f.flight_id;

6

Services

Database

- postgres@localhost
 - flights 149 ms
 - baggage_check
 - console 50 ms

Output Result 28

- 0 rows
- full_name passport_number arrival_time

Database Consoles > postgres@localhost > console5:29 (200 chars, 5 line breaks) CRLF UTF-8 4 spaces

Database Explorer

postgres@localhost

postgres [10.3]

public

tables 10

airline

columns 6

airline_id integer

airline_code varchar(30)

airline_name varchar(50)

airline_country varchar(50)

created_at timestamp

updated_at timestamp

keys 2

indexes 2

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

airport.sql

console

flights

baggage_check

1

2

3

4

5

6

7

8

SELECT a.country AS airport_country,
COUNT(f.flight_id) AS flight_count
FROM flights f
JOIN airline al ON f.airline_id = al.airline_id
JOIN airport a ON a.airport_id = al.airport_id
WHERE al.airline_country = a.country
GROUP BY a.country;

Services

Database

postgres@localhost

flights 149 ms

flights 149 ms

baggage_check

baggage_check

console 45 ms

console 45 ms

Output

Result 31

0 rows

airport_country

flight_count

8:1 (263 chars, 7 line breaks) CRLF UTF-8 4 spaces

Database Consoles > postgres@localhost > console