

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 4

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

console

security_check

airline

airport

baggage

baggage_check

boarding_pass

1

2

3

4

5

6

7

8

-- return all airline names in uppercase

SELECT upper(airline_name) as airline_name_upper from airline;

-- change air to aero now in airlines

-- now air will be aero

SELECT replace(airline.airline_name, 'Air', 'Aero') as modified_name from airline

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//

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Data Source: postgres@localhost

Database: postgres

Schema: public

Table: airline

Column: airline_name

alter table airline

add airline_name varchar(50);

Services

Tx

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postgres@localhost

baggage_check 405 ms

airport 366 ms

console 409 ms

security_check 345 ms

airline 351 ms

baggage 444 ms

Session

modified_name: text

modified_name

58 BYH

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 4

public

tables 10

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check

Database Objects

Server Objects

console × flights security_check airline airport baggage baggage_check boarding

Tx: Auto Playground

```
1 -- return all airline names in uppercase
2
3 SELECT upper(airline_name) as airline_name_upper from airline;
4
5 -- change air to aero now in airlines
6 -- now air will be aero
7
8 SELECT replace(airline.airline_name, 'Air', 'Aero') as modified_name from airline;
9
10
11 -- select number flight whose coordinates both from airline 1 an 2
12
13 SELECT flight_no from flights where flight_id = 1 intersect SELECT flight_no flights.flight_no from flights where
```

services

Database

postgres@localhost

- flights 459 ms
- baggage_check 405 ms
- airport 366 ms
- console 385 ms
- security_check 345 ms
- airline 385 ms
- baggage 444 ms
- boarding_pass 423 ms

Session postgres.public.flights ×

flight_no varchar(50)

flight_no

0 rows

Database Consoles > postgres@localhost > console

Database Explorer

postgres@localhost 1 of 4

postgres 1 of 4

public

tables 10

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check

Database Objects

Server Objects

console × flights security_check airline airport baggage baggage_check boarding_pass

Tx: Auto Playground

```
1 -- return all airline names in uppercase
2
3 SELECT upper(airline_name) as airline_name_upper from airline;
4
5 -- change air to aero now in airlines
6 -- now air will be aero
7
8 SELECT replace(airline.airline_name, 'Air', 'Aero') as modified_name from airline;
9
10
11 -- select number flight whose coordinates both from airline 1 an 2
12
13 SELECT flight_no from flights where flight_id = 1 intersect SELECT flight_no flights.flight_no from flights where flight_id = 2;
14
15
16 --select airports name that contain in name regional and air
17
18 SELECT airport.airport_name from airport where airport_name ilike '%Air' and airport_name ilike '%Reginal';
```

postgres.public.airport ×

airport_name

services

Database

postgres@localhost

- flights 459 ms
- baggage_check 405 ms
- airport 399 ms
- console 398 ms
- security_check 345 ms

Session postgres.public.airport ×

airport_name

Database Explorer

postgres@localhost

postgres

public

tables

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

console

flights

security_check

airline

airport

baggage

baggage_check

boarding_pass

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

-- return all airline names in uppercase

SELECT upper(airline_name) as airline_name_upper from airline;

-- change air to aéro now in airlines

-- now air will be aéro

SELECT replace(airline.airline_name, 'Air', 'Aero') as modified_name from airline;

-- select number flight whose coordinates both from airline 1 an 2

SELECT flight_no from flights where flight_id = 1 intersect SELECT flight_no flights.flight_no from flights where flight_id = 2;

--select airports name that contain in name regional and air

SELECT airport.airport_name from airport where airport_name ilike '%Air' and airport_name ilike '%Reginal';

--select name passenger and birthdate in format month dd yyyy

select passengers.first_name, passengers.last_name , to_char(passengers.date_of_birth, 'Month DD, YYYY') as formatted_birth_date from passengers;

Tx

Database

postgres@localhost

flights 459 ms

baggage_check 405 ms

airport 399 ms

console 422 ms

security_check 345 ms

airline 385 ms

baggage 444 ms

boarding_pass 423 ms

Session

Result 36

first_name

last_name

formatted_birth_date

1

Hilde

Irnis

January 03, 2000

2

Arvy

Sparsholt

June 09, 1974

3

Reinald

Pococke

June 07, 1982

4

Con

Borrel

October 17, 1986

5

Wayne

Bangs

April 22, 1996

6

Tildy

Shackleford

April 15, 2004

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booking_flight

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security_check

Database Objects

Server Objects

console

flights

security_check

airline

airport

baggage

baggage_check

boarding_pass

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

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21

22

23

24

-- return all airline names in uppercase

SELECT upper(airline_name) as airline_name_upper from airline;

-- change air to aéro now in airlines

-- now air will be aéro

SELECT replace(airline.airline_name, 'Air', 'Aero') as modified_name from airline;

-- select number flight whose coordinates both from airline 1 an 2

SELECT flight_no from flights where flight_id = 1 intersect SELECT flight_no flights.flight_no from flights where flight_id = 2;

--select airports name that contain in name regional and air

SELECT airport.airport_name from airport where airport_name ilike '%Air' and airport_name ilike '%Reginal';

--select name passenger and birthdate in format month dd yyyy

select passengers.first_name, passengers.last_name , to_char(passengers.date_of_birth, 'Month DD, YYYY') as formatted_birth_da

-- select flights that was bad arrived

select flights.flight_id from flights where actual_arrival > scheduled_arrival;

Services

Database

postgres@localhost

flights 459 ms

baggage_check 405 ms

airport 399 ms

console 405 ms

security_check 345 ms

airline 385 ms

baggage 444 ms

boarding_pass 423 ms

Session

postgres.public.flights

flight_id

1

2

3

4

5

6

Database Explorer

postgres@localhost

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public

tables

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flights

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console

flights

security_check

airline

airport

baggage

baggage_check

boarding_pass

select number flight whose coordinates both from airline 1 an 2

SELECT flight_no from flights where flight_id = 1 intersect SELECT flight_no flights.flight_no from flights where

--select airports name that contain in name reginal and air

SELECT airport.airport_name from airport where airport_name ilike '%Air' and airport_name ilike '%Reginal';

--select name passenger and birthdate in format month dd yyyy

select passengers.first_name, passengers.last_name , to_char(passengers.date_of_birth, 'Month DD, YYYY') as form

-- select flights that was bad arrived

select flights.flight_id from flights where actual_arrival > scheduled_arrival;

--select passengers and make 2 groups young and adult

select passengers.first_name, passengers.last_name, case when age(passengers.date_of_birth) between '18 years ' and '35 years' then 'young' when age(date_of_birth) BETWEEN '36 years' AND '55 years' then 'Adult' else 'Other' end as age_group from passengers;

Services

Database

postgres@localhost

flights 459 ms

baggage_check 405 ms

airport 399 ms

console 417 ms

security_check 345 ms

airline 385 ms

baggage 444 ms

boarding_pass 423 ms

Session

Result 39

first_name

last_name

age_group

Hilde

Irnis

young

Arvy

Sparsholt

Adult

Reinald

Pococke

Adult

Con

Borrel

Adult

Wayne

Bangs

young

Tildy

Shackleford

young

Bunla

Green

Adult

200 rows

Database Explorer

postgres@localhost

postgres

public

tables

airline

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baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

console

baggage

baggage_check

boarding_pass

flights

booking

SELECT airport.airport_name from airport where airport_name ilike '%Air' and airport_name ilike '%Reginal';

--select name passenger and birthdate in format month dd yyyy

select passengers.first_name, passengers.last_name , to_char(passengers.date_of_birth, 'Month DD, YYYY') as formatted.

-- select flights that was bad arrived

select flights.flight_id from flights where actual_arrival > scheduled_arrival;

--select passengers and make 2 groups young and adult

select passengers.first_name, passengers.last_name, case when age(passengers.date_of_birth) between '18 years ' and '35 years' then 'young' when age(date_of_birth) BETWEEN '36 years' AND '55 years' then 'Adult' else 'Other' end as age_group from passengers;

-- categorize ticket price cheap medium or exp

select booking.booking_id, booking.price, case when booking.price < 100 then 'cheap' when price between 100 and 300 then 'medium' else 'expensive' end as price_group from booking;

Services

Database

postgres@localhost

booking 425 ms

baggage_check 405 ms

Session

Result 40

booking_id

price

price_group

1

2

4216.60

expensive

2

5782.37

expensive

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console

airline

baggage

baggage_check

boarding_pass

flights

booking

22

23

24

25

26

27

28

29

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31

32

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41

42

43

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47

-- select flights that was bad arrived

select flights.flight_id from flights where actual_arrival > scheduled_arrival;

--select passengers and make 2 groups young and adult

select passengers.first_name, passengers.last_name,

case

when age(passengers.date_of_birth) between '18 years ' and '35 years'

then 'young'

when age(date_of_birth) BETWEEN '36 years' AND '55 years'

then 'Adult'

else 'Other'

end as age_group

from passengers;

-- categorize ticket price cheap medium or exp

select booking.booking_id, booking.price,

case

when booking.price < 100 then 'cheap'

when price between 100 and 300 then 'medium'

else 'expensive'

end as price_group

from booking;

-- count airlines in each country

select airline.airline_country, count(*) as airline_count from airline group by airline_country;

26 rows

Services

Tx

Database

postgres@localhost

booking 425 ms

baggage_check 405 ms

airline 433 ms

console 409 ms

flights 484 ms

baggage 444 ms

boarding_pass 423 ms

Session

Result 41

airline_country

airline_count

1 Indonesia 2

2 Venezuela 1

3 Hungary 1

4 China 10

5 Russia 4

6 Sweden 1

26 rows

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booking

booking_flight

flights

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Server Objects

console

airline

baggage

baggage_check

boarding_pass

flights

booking

29

30

31

32

33

34

35

36

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38

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48

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50

51

when age(passengers.date_of_birth) between '18 years ' and '35 years'

then 'young'

when age(date_of_birth) BETWEEN '36 years' AND '55 years'

then 'Adult'

else 'Other'

end as age_group

from passengers;

-- categorize ticket price cheap medium or exp

select booking.booking_id, booking.price,

case

when booking.price < 100 then 'cheap'

when price between 100 and 300 then 'medium'

else 'expensive'

end as price_group

from booking;

-- count airlines in each country

select airline.airline_country, count(*) as airline_count from airline group by airline_country;

-- same as 6

select flights.flight_id from flights where actual_arrival > scheduled_arrival;

26 rows

Services

Tx

Database

postgres@localhost

booking 425 ms

baggage_check 405 ms

airline 423 ms

Session

postgres.public.flights

flight_id

1 1

2 2

Database Explorer

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postgres 1 of 4

public

tables 10

airline

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baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

Database Objects

Server Objects

console x security_check airline airport baggage baggage_check boarding_pa

1

2

3 ✓

-- return all airline names in uppercase
SELECT upper(airline_name) as airline_name_upper from airline;

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Services

Tx

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Database

postgres@localhost

baggage_check 405 ms

airport 366 ms

console 410 ms

security_check 345 ms

airline 351 ms

baggage 444 ms

boarding_pass 423 ms

Session airline_name_upper:text x

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airline_name_upper

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1 IPC

2 PDN

3 KLE

4 KHS

5 YLQ

6 NGL

50 rows ▼ ⋮

Database Consoles > postgres@localhost > console

