

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- 1.3 Sequences
- Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - Columns (14)
 - flight_id
 - flight_no
 - scheduled_departure
 - scheduled_arrival
 - departure_airport_id
 - arrival_airport_id
 - departing_gate
 - arriving_gate
 - airline_id
 - status
 - actual_departure
 - actual_arrival
 - created_at
 - update_at
 - Constraints (4)
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
- passengers
- security_check
- Trigger Functions

airport_database/postgres@labwork* x

airport_database/postgres@labwork

No limit

```
1 create view details_of_flights_of_specific_dat as
2 select
3     flight_id,
4     flight_no,
5     airline_id,
6     status,
7     actual_departure
8 from
9     flights
10 where actual_departure > '2023-01-01'
11
12 select * from details_of_flights_of_specific_dat
```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 2

	flight_id integer	flight_no character varying (50)	airline_id integer	status character varying (50)	actual_departure date
1	1	US-CT	39	Check-in open	2023-10-30
2	2	US-NM	34	Boarding	2024-02-09
3	3	FI-OL	34	Boarding	2024-02-21
4	4	RU-KR	33	Check-in open	2023-10-10
5	5	RO-DJ	14	Check-in open	2023-11-18
6	6	CA-SK	34	Check-in open	2024-02-19

Total rows: 1004 Query complete 00:00:00.250

LF Ln 12, Col 49

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File Object Tools Edit View Window Help

Object Explorer

airport_database/postgres@labwork* X

airport_database/postgres@labwork

No limit

Query

Query History

Scratch Pad X

```
1 create view booking_next_week as
2 select
3     b.booking_id,
4     f.flight_id,
5     f.flight_no,
6     f.scheduled_departure,
7     f.scheduled_arrival
8 from booking b
9 join booking_flight bf on b.booking_id = bf.booking_id
10 join flights f on bf.flight_id = f.flight_id
11 where f.scheduled_departure between now() and now() + interval '7 days';
```

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 154 msec.

Total rows:

Query complete 00:00:00.154

✓ Query returned successfully in 154 msec. X

LF Ln 4, Col 1

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File Object Tools Edit View Window Help

Object Explorer

created_at

update_at

Constraints (3)

Indexes

RLS Policies

Rules

Triggers

flights

Columns (14)

flight_id

flight_no

scheduled_departure

scheduled_arrival

departure_airport_id

arrival_airport_id

departing_gate

arriving_gate

airline_id

status

actual_departure

actual_arrival

created_at

update_at

Constraints (4)

flights_airline_id_fkey

flights_arrival_airport_id_fkey

flights_departure_airport_id_fkey

flights_pkey

Indexes

RLS Policies

Rules

Triggers

airport_database/postgres@labwork*

airport_database/postgres@labwork

No limit

Query

Query History

```
1 create view top_5 as
2 select
3     count(bf.booking_id) as booking_cnt,
4     f.departure_airport_id,
5     f.arrival_airport_id
6 from flights f
7 join booking_flight bf on f.flight_id = bf.flight_id
8 group by f.departure_airport_id, f.arrival_airport_id
9 order by booking_cnt desc
10 limit 5
```

Data Output

Messages

Notifications

CREATE VIEW

Query returned successfully in 156 msec.

Total rows:

Query complete 00:00:00.156

✓ Query returned successfully in 156 msec. ✕

LF

Ln 5, Col 23

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

created_at
update_at

Constraints (3)

Indexes

RLS Policies

Rules

Triggers

flights

Columns (14)

flight_id

flight_no

scheduled_departure

scheduled_arrival

departure_airport_id

arrival_airport_id

departing_gate

arriving_gate

airline_id

status

actual_departure

actual_arrival

created_at

update_at

Constraints (4)

flights_airline_id_fkey

flights_arrival_airport_id_fkey

flights_departure_airport_id_fkey

flights_pkey

Indexes

RLS Policies

Rules

Triggers

airport_database/postgres@labwork*

airport_database/postgres@labwork

No limit

Query Query History

```
1 create view flights_of_spec_airlin as
2 select
3     f.flight_id,
4     f.flight_no,
5     a.airline_id
6 from flights f
7 join airline a on a.airline_id = f.airline_id
8 where f.airline_id = 3;
9
10 select * from flights_of_spec_airline
```

Scratch Pad

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 2

	flight_id	flight_no	airline_id
	integer	character varying (50)	integer
1	1	US-CT	39
2	2	US-NM	34
3	3	FI-OL	34
4	4	RU-KR	33
5	5	RO-DJ	14
6	6	CA-SK	34

Total rows: 1004 Query complete 00:00:00.210

✓ Successfully run. Total query runtime: 210 msec. 1004 rows affected ✕

LF Ln 1, Col 35

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File Object Tools Edit View Window Help

Object Explorer

created_at
update_at
> Constraints (3)
> Indexes
> RLS Policies
> Rules
> Triggers
flights
Columns (14)
flight_id
flight_no
scheduled_departure
scheduled_arrival
departure_airport_id
arrival_airport_id
departing_gate
arriving_gate
airline_id
status
actual_departure
actual_arrival
created_at
update_at

> Constraints (4)
flights_airline_id_fkey
flights_arrival_airport_id_fkey
flights_departure_airport_id_fkey
flights_pkey

> Indexes
> RLS Policies
> Rules
> Triggers

airport_database/postgres@labwork*

airport_database/postgres@labwork

No limit

Query Query History

```
1 create or replace view flights_of_spec_airline as
2 select
3     f.flight_id,
4     f.flight_no,
5     a.airline_id
6 from flights f
7 join airline a on a.airline_id = f.airline_id
8 where f.airline_id = 3 and f.scheduled_departure between now() and now() + interval '7 days';
9
10 select * from flights_of_spec_airline
```

Data Output Messages Notifications

SQL

flight_id integer	flight_no character varying (50)	airline_id integer
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Total rows: 0 Query complete 00:00:00.212

✓ Successfully run. Total query runtime: 212 msec. 0 rows affected. ✕

LF Ln 10, Col 38

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File Object Tools Edit View Window Help

Object Explorer

- created_at
- update_at
- Constraints (3)
- Indexes
- RLS Policies
- Rules
- Triggers
- flights
 - Columns (14)
 - flight_id
 - flight_no
 - scheduled_departure
 - scheduled_arrival
 - departure_airport_id
 - arrival_airport_id
 - departing_gate
 - arriving_gate
 - airline_id
 - status
 - actual_departure
 - actual_arrival
 - created_at
 - update_at
- Constraints (4)
 - flights_airline_id_fkey
 - flights_arrival_airport_id_fkey
 - flights_departure_airport_id_fkey
 - flights_pkey
- Indexes
- RLS Policies
- Rules
- Triggers

airport_database/postgres@labwork* x

airport_database/postgres@labwork

No limit

Query Query History

```
1 create view flights_delayed_more_than_24h as
2 select
3     flight_id,
4     flight_no,
5     departure_airport_id,
6     arrival_airport_id,
7     actual_departure,
8     (actual_departure - scheduled_departure) as delay
9 from flights
10 where actual_departure is not null
11     and actual_departure > scheduled_departure and status = 'Delayed';
12
13
14 select * from flights_delayed_more_than_24h
```

Scratch Pad x

Data Output Messages Notifications

SQL

Showing rows: 1 to 263

Page No: 1

of 1

	flight_id integer	flight_no character varying (50)	departure_airport_id integer	arrival_airport_id integer	actual_departure date	delay integer
1	7	AU-TAS	15	18	2023-12-04	53
2	9	IN-OR	6	9	2023-06-17	30
3	11	TH-57	5	5	2024-02-06	315
4	14	US-IN	18	3	2024-03-04	224
5	22	GB-ENG	2	2	2024-02-05	94
6	27	UZ-SU	11	2	2024-02-24	287

Total rows: 263

Query complete 00:00:00.115

✓ Successfully run. Total query runtime: 115 msec. 263 rows affected ✕

LF Ln 14, Col 44

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File Object Tools Edit View Window Help

Object Explorer

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
 - Columns (8)
 - booking_id
 - passenger_id
 - booking_platform
 - created_at
 - update_at
 - status
 - ticket_price
 - ticket_discount
 - Constraints (4)
 - booking_passenger_id_fkey
 - booking_pkey
 - check_booking_price
 - check_ticket_discount
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - booking_flight
 - flights
 - passengers
 - Columns (10)
 - passenger_id
 - first_name
 - last_name
 - date_of_birth
 - gender

airport_database/postgres@labwork* x

airport_database/postgres@labwork

No limit

Query Query History

```
1 create view pass_that_booked_on_LT_platform as
2 select
3     p.passenger_id,
4     p.first_name,
5     p.last_name,
6     p.country_of_residence,
7     b.booking_id,
8     b.status
9 from passengers p
10 join booking b on p.passenger_id = b.passenger_id where booking_platform = 'Leffler-Thompson';
11
12 select * from pass_that_booked_on_LT_platform
```

Scratch Pad x

Scratch Pad

Data Output Messages Notifications

SQL

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

	passenger_id integer	first_name character varying (50)	last_name character varying (50)	country_of_residence character varying (50)	booking_id integer	status character varying (50)
1	157	Philbert	Shambroke	China	15	Female

Total rows: 1 Query complete 00:00:00.100

Successfully run. Total query runtime: 100 msec. 1 rows affected.

LF Ln 12, Col 46

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File Object Tools Edit View Window Help

Object Explorer

Schemas (1)

public

- Aggregates
- Collations
- Domains
- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - airline
 - airport
 - Columns (7)
 - airport_id
 - airport_name
 - country
 - state
 - city
 - created_at
 - update_at
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - baggage
 - baggage_check

airport_database/postgres@labwork* x

airport_database/postgres@labwork

No limit

Query Query History

```
1 create view top_10_visited_countries as
2 select
3     a.country,
4     count(*) as visits
5 from flights f
6 join airport a on f.arrival_airport_id = a.airport_id
7 group by a.country
8 order by visits desc
9 limit 10
10
11 select * from top_10_visited_countries
```

Scratch Pad x

Data Output Messages Notifications

Showing rows: 1 to 10 Page No: 1 of 1

	country character varying (50)	visits bigint
1	China	240
2	Philippines	150
3	Indonesia	148
4	United States	61
5	Tanzania	58
6	Russia	56

Total rows: 10 Query complete 00:00:00.105

Successfully run. Total query runtime: 105 msec. 10 rows affected x

LF Ln 11, Col 39

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File Object Tools Edit View Window Help

Object Explorer

airport_database/postgres@labwork* x

airport_database/postgres@labwork

No limit

Query Query History

Scratch Pad x

```
1 create or replace view flights_of_specific_airline as
2 select
3     f.flight_id,
4     f.flight_no,
5     f.departure_airport_id,
6     f.arrival_airport_id,
7     f.scheduled_departure,
8     f.scheduled_arrival,
9     f.status,
10    a.airline_name
11 from flights f
12 join airline a on f.airline_id = a.airline_id
13 where f.airline_id = 3;
14
15 select * from flights_of_specific_airline
```

Data Output Messages Notifications

Showing rows: 1 to 15 Page No: 1 of 1

	flight_id integer	flight_no character varying (50)	departure_airport_id integer	arrival_airport_id integer	scheduled_departure date	scheduled_arrival date	status character varying (50)	airline_name character varying (50)
1	125	PG-WPD	11	15	2023-10-08	2023-04-10	Delayed	KLE
2	146	MY-14	20	7	2024-03-16	2023-12-03	Boarding	KLE
3	180	TN-61	11	6	2023-05-21	2023-04-18	Delayed	KLE
4	242	FR-O	15	18	2023-12-13	2023-08-27	Boarding	KLE
5	268	AR-Q	6	7	2023-06-26	2023-03-22	Boarding	KLE
6	325	PG-NSB	5	2	2023-12-22	2023-04-16	Boarding	KLE
Total rows: 15		Query complete 00:00:00.111						

Successfully run. Total query runtime: 111 msec. 15 rows affected

LF Ln 15, Col 42