

pgAdmin 4

File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History

```
1 create view daily_dep as
2 select *
3 from flights
4 where date(sch_departure_time)='2025-10-22'
```

Scratch Pad ×

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 117 msec.

Total rows: Query complete 00:00:00.117 CRLF Ln 4, Col 45

Create a view to show details of all flights that are departing on a specific date.

pgAdmin 4

File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view upcoming_week_bookings as
2 select
3     B.booking_id,
4     B.status as booking_status,
5     F.flight_id,
6     F.sch_departure_time
7 from Booking as B
8 join Booking_flight as BF on B.booking_id = BF.booking_id
9 join Flights as F on BF.flight_id = F.flight_id
10 where F.sch_departure_time < NOW() + INTERVAL '7 days';
11
12 select * from upcoming_week_bookings
13 drop view upcoming_week_bookings
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 118 msec.

✓ Query returned successfully in 118 msec. ✕

Total rows: Query complete 00:00:00.118 CRLF Ln 1, Col 1

Create a view that shows bookings for flights scheduled to depart within the next week.

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postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view top_5_popular_routes as
2 select
3     F.departing_airport_id,
4     F.arriving_airport_id,
5     count(BF.booking_id) as total_bookings
6 from Booking_flight as BF
7 join Flights as F on BF.flight_id = F.flight_id
8 group by F.departing_airport_id, F.arriving_airport_id
9 order by total_bookings desc
10 limit 5;
11 select * from top_5_popular_routes
12 drop view top_5_popular_routes
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 105 msec.

✓ Query returned successfully in 105 msec. ✕

Total rows: Query complete 00:00:00.105 CRLF Ln 1, Col 1

Create a view to show the top 5 most popular flight routes based on the number of bookings.

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File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view all_flights_with_airline_name as
2 select
3     F.flight_id,
4     F.sch_departure_time,
5     F.departing_airport_id,
6     F.arriving_airport_id,
7     A.airline_name
8 from Flights as F
9 join Airline as A on F.airline_id = A.airline_id;
10
11 select * from all_flights_with_airline_name
12 drop view all_flights_with_airline_name
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 97 msec.

✓ Query returned successfully in 97 msec. ✕

Total rows: Query complete 00:00:00.097 CRLF Ln 1, Col 1

Create a view that lists all flights for a specific airline.

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File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create or replace view specific_airline_upcoming_flights as
2 select
3     F.flight_id,
4     F.sch_departure_time,
5     F.sch_arrival_time,
6     A.airline_name
7 from Flights as F
8 join Airline as A on F.airline_id = A.airline_id
9 where A.airline_name = 'Air_afd85e' and F.sch_departure_time < NOW() + INTERVAL '7 days';
10
11 select * from specific_airline_upcoming_flights
12 drop view specific_airline_upcoming_flights
13
14
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 117 msec.

✓ Query returned successfully in 117 msec. ✕

Total rows: Query complete 00:00:00.117 CRLF Ln 1, Col 1

Modify the view created in task 4 to show only flights departing within the next 7 days for a specific airline.

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File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view significantly_delayed_flights as
2 select
3     flight_id,
4     sch_departure_time,
5     act_departure_time,
6     (act_departure_time - sch_departure_time) as delay_duration
7 from Flights
8 where act_departure_time > sch_departure_time + INTERVAL '24 hours';
9
10 select * from significantly_delayed_flights
11 drop view significantly_delayed_flights
12
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 123 msec.

✓ Query returned successfully in 123 msec. ✕

Total rows: Query complete 00:00:00.123 CRLF Ln 1, Col 1

Create a view to show flights that are delayed by more than 24 hours.

pgAdmin 4

File Object Tools Edit View Window Help

Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view leffler_thompson_passengers as
2 select
3     P.passenger_id,
4     P.first_name || ' ' || P.last_name as full_name,
5     P.country_of_citizenship
6 from Passengers as P
7 join Booking as B on P.passenger_id = B.passenger_id
8 where B.booking_platform = 'Platform_108377'
9
10 select * from leffler_thompson_passengers
11 drop view leffler_thompson_passengers
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 148 msec.

✓ Query returned successfully in 148 msec. ×

Total rows: Query complete 00:00:00.148 CRLF Ln 1, Col 1

Create a view in which you can display the full name and country of origin of passengers who made bookings on Leffler-Thompson platform. Then show the list of that passengers.

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Welcome × postgres/postgres... × postgres/postgres@PostgreSQL 17* ×

postgres/postgres@PostgreSQL 17

Query Query History Scratch Pad ×

```
1 create view top_10_visited_countries as
2 select
3     A.country,
4     count(F.flight_id) as total_arrivals
5 from Flights as F
6 join Airport as A on F.arriving_airport_id = A.airport_id
7 group by A.country
8 order by total_arrivals desc
9 LIMIT 1;
10 select * from top_10_visited_countries
11 drop view top_10_visited_countries
```

Data Output Messages Notifications

CREATE VIEW

Query returned successfully in 120 msec.

✓ Query returned successfully in 120 msec. ✕

Total rows: Query complete 00:00:00.120 CRLF Ln 1, Col 1

Create a view that shows top 10 most visited countries.