

```
--1
SELECT * FROM flights;

DROP VIEW IF EXISTS most_popular_f;
CREATE VIEW flights_by_date AS
SELECT *
FROM flights
WHERE DATE(sch_departure_time)=DATE '2026-01-11';
SELECT * FROM flights_by_date;

--2

CREATE VIEW booking_flights_schnw AS
SELECT b.* , f.sch_departure_time
FROM booking b
JOIN flights f  [i.n->1: ON b.flight_id=f.flight_id
WHERE f.sch_departure_time>=NOW()
AND f.sch_departure_time<NOW()+INTERVAL'1 week';
SELECT * FROM booking_flights_schnw;

--3

SELECT * FROM flights;

CREATE VIEW most_popular_f AS
SELECT f.departing_airport_id,
       f.arriving_airport_id,
       COUNT(b.booking_id) AS total_bookings
  FROM flights f
 JOIN booking b  [i.<->1:n: ON f.flight_id=b.flight_id
 GROUP BY f.departing_airport_id, f.arriving_airport_id
 ORDER BY total_bookings DESC
 LIMIT 5;
```

Database Consoles > postgres@localhost > console\_8

110:21 CRLF UTF-8 4 spaces ⌂

```
CREATE VIEW most_popular_f AS
SELECT f.* , b.booking_id
  FROM flights f
 JOIN booking b  [i.<->1:n: ON f.flight_id=b.flight_id
 GROUP BY f.departing_airport_id, f.arriving_airport_id
 ORDER BY total_bookings DESC
 LIMIT 5;

SELECT * FROM most_popular_f;

--4

CREATE VIEW flights_by_airline AS
SELECT *
FROM flights
WHERE airline_id=1;
SELECT * FROM flights_by_airline;

--5

CREATE OR REPLACE VIEW flights_by_airline AS
SELECT *
FROM flights
WHERE airline_id=1
    AND sch_departure_time>=NOW()
    AND sch_departure_time<NOW()+INTERVAL'1 week';

--6

CREATE OR REPLACE VIEW delayed_flights AS
SELECT *
FROM flights f
WHERE f.act_departure_time -sch_departure_time> INTERVAL '24 hours';
SELECT * FROM delayed_flights;
```

Database Consoles > postgres@localhost > console\_8

29:19 CRLF UTF-8 4 spaces ⌂

```
FROM flights f
WHERE f.act_departure_time - sch_departure_time > INTERVAL '24 hours';
select * from delayed_flights;

--7

CREATE VIEW lt_passengers AS
SELECT
    p.passenger_id,
    CONCAT(p.first_name, ' ', p.last_name) AS full_name,
    p.country_of_citizenship
FROM passengers p
JOIN booking b 1<->1.0: ON p.passenger_id = b.passenger_id
WHERE b.booking_platform = 'Leffler-Thompson';

SELECT * FROM lt_passengers;

--8

CREATE VIEW top10_countries AS
SELECT
    a.country,
    COUNT(f.flight_id) AS total_arrivals
FROM flights f
JOIN airport a 1..n->1.0: ON f.arriving_airport_id = a.airport_id
GROUP BY a.country
ORDER BY total_arrivals DESC
LIMIT 10;

SELECT * FROM top10_countries;

--9
```

```
--9

CREATE OR REPLACE VIEW top10_countries AS
SELECT
    a.country,
    COUNT(f.flight_id) AS total_arrivals,
    COUNT(DISTINCT a.airport_id) AS airport_count
FROM flights f
JOIN airport a 1..n->1.0: ON f.arriving_airport_id = a.airport_id
GROUP BY a.country
ORDER BY total_arrivals DESC
LIMIT 10;

SELECT * FROM top10_countries;

--10

DROP VIEW IF EXISTS
    flights_by_date,
    bookings_next_week,
    most_popular_f,
    flights_by_airline,
    delayed_24h,
    lt_passengers,
    top10_countries
CASCADE;
```