

```
1 --1
2 SELECT * FROM flights;
3
4 DROP VIEW IF EXISTS most_popular_f;
5 CREATE VIEW flights_by_date AS
6 SELECT *
7 FROM flights
8 WHERE DATE(sch_departure_time)=DATE '2026-01-11';
9 SELECT * FROM flights_by_date;
10
11 --2
12
13 CREATE VIEW booking_flights_schnw AS
14 SELECT b.*, f.sch_departure_time
15 FROM booking b
16 JOIN flights f ON b.flight_id=f.flight_id
17 WHERE f.sch_departure_time>=NOW()
18 AND f.sch_departure_time<NOW()+INTERVAL'1 week';
19 SELECT * FROM booking_flights_schnw;
20
21 --3
22
23 SELECT * FROM flights;
24
25 CREATE VIEW most_popular_f AS
26 SELECT f.departing_airport_id,
27        f.arriving_airport_id,
28        COUNT(b.booking_id) AS total_bookings
29 FROM flights f
30 JOIN booking b ON f.flight_id=b.flight_id
31 GROUP BY f.departing_airport_id, f.arriving_airport_id
32 ORDER BY total_bookings DESC
33 LIMIT 5;
```

```
25 CREATE VIEW most_popular_f AS
26 FROM flights f
27 JOIN booking b ON f.flight_id=b.flight_id
28 GROUP BY f.departing_airport_id, f.arriving_airport_id
29 ORDER BY total_bookings DESC
30 LIMIT 5;
31
32 SELECT * FROM most_popular_f;
33
34 --4
35
36 CREATE VIEW flights_by_airline as
37 SELECT *
38 FROM flights
39 WHERE airline_id=1;
40 SELECT * FROM flights_by_airline;
41
42 --5
43
44 CREATE OR REPLACE VIEW flights_by_airline AS
45 SELECT *
46 FROM flights
47 WHERE airline_id=1
48 AND sch_departure_time>=NOW()
49 AND sch_departure_time<NOW()+INTERVAL'1 week';
50
51 --6
52
53 CREATE OR REPLACE VIEW delayed_flights AS
54 SELECT *
55 FROM flights
56 WHERE f.act_departure_time -sch_departure_time> INTERVAL '24 hours';
57 select * from delayed_flights;
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58 FROM flights f
59 WHERE f.act_departure_time -sch_departure_time> INTERVAL '24 hours';
60 select * from delayed_flights;
61
62 --7
63
64 CREATE VIEW lt_passengers AS
65 SELECT
66     p.passenger_id,
67     CONCAT(p.first_name, ' ', p.last_name) AS full_name,
68     p.country_of_citizenship
69 FROM passengers p
70 JOIN booking b 1<=>1.n ON p.passenger_id = b.passenger_id
71 WHERE b.booking_platform = 'Leffler-Thompson';
72
73 SELECT * FROM lt_passengers;
74
75 --8
76
77 CREATE VIEW top10_countries AS
78 SELECT
79     a.country,
80     COUNT(f.flight_id) AS total_arrivals
81 FROM flights f
82 JOIN airport a 1.n<=>1.n ON f.arriving_airport_id = a.airport_id
83 GROUP BY a.country
84 ORDER BY total_arrivals DESC
85 LIMIT 10;
86
87 ✓ SELECT * FROM top10_countries;
88
89 --9
90
```

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```
88
89 --9
90
91 CREATE OR REPLACE VIEW top10_countries AS
92 SELECT
93     a.country,
94     COUNT(f.flight_id) AS total_arrivals,
95     COUNT(DISTINCT a.airport_id) AS airport_count
96 FROM flights f
97 JOIN airport a 1.n<=>1.n ON f.arriving_airport_id = a.airport_id
98 GROUP BY a.country
99 ORDER BY total_arrivals DESC
100 LIMIT 10;
101
102 SELECT * FROM top10_countries;
103
104 --10
105
106 DROP VIEW IF EXISTS
107     flights_by_date,
108     bookings_next_week,
109     most_popular_f,
110     flights_by_airline,
111     delayed_24h,
112     lt_passengers,
113     top10_countries
114 CASCADE;
115
116
117
118
119
```

Database Consoles > postgres@localhost > console_8 84:29 CRLF UTF-8 4 spaces