

```

--1
create index idx_flights_actual_departure
    on flights (actual_departure);
--2
create unique index idx_unique_flight_no_scheduled_departure
    on flights (flight_no, scheduled_departure);
--3
CREATE INDEX idx_flights_departure_arrival
    ON flights (departure_airport_id, arrival_airport_id);
--4
-- without index:
SET enable_indexscan = off;
EXPLAIN ANALYZE
SELECT *
FROM flights
WHERE departure_airport_id = '18'
    AND arrival_airport_id = '1';

-- with index:
SET enable_indexscan = on;
EXPLAIN ANALYZE
SELECT *
FROM flights
WHERE departure_airport_id = '18'
    AND arrival_airport_id = '1';
--5
EXPLAIN ANALYZE
SELECT flight_no, scheduled_departure
FROM flights
WHERE departure_airport_id = '18' AND arrival_airport_id = '1';

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31
32     --6
33 ✓ CREATE UNIQUE INDEX idx_unique_passport_number
34         ON passengers (passport_number);
35     --7
36 ✓ CREATE INDEX idx_passengers_full
37         ON passengers (first_name, last_name, date_of_birth, country_of_citizenship);
38     --8
39 ✓ SELECT indexname, indexdef
40     FROM pg_indexes
41     WHERE tablename = 'passengers';
42 |

```