

Database Explorer

postgres [1 of 4]

postgres [1 of 3]

public

tables

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

console

postgres public

CREATE INDEX idx\_passenger\_search  
ON Passengers (first\_name, last\_name, date\_of\_birth, country\_of\_citizenship);

Database

postgres

console

Output

Result 17

ON Passengers (passport\_number)  
[2025-11-12 00:07:47] [42P07] ERROR: relation "idx\_unique\_passport" already exists  
[2025-11-12 00:07:47] postgres.public> CREATE UNIQUE INDEX idx\_unique\_passport  
ON Passengers (passport\_number)  
[2025-11-12 00:07:47] [42P07] ERROR: relation "idx\_unique\_passport" already exists  
[2025-11-12 00:07:47] postgres.public> CREATE UNIQUE INDEX idx\_unique\_passport  
ON Passengers (passport\_number)  
[2025-11-12 00:07:47] [42P07] ERROR: relation "idx\_unique\_passport" already exists  
[2025-11-12 00:08:25] postgres.public> CREATE INDEX idx\_passenger\_search  
ON Passengers (first\_name, last\_name, date\_of\_birth, country\_of\_citizenship)  
[2025-11-12 00:08:25] completed in 6 ms

Database Consoles > postgres > console

3.1 CRLF UTF-8 4 spaces

1208 AM 11/12/2025

Database Exp

postgres (1 of 4)  
postgres (1 of 3)  
public  
tables  
airline  
airport  
baggage  
baggage\_check  
boarding\_pass  
booking  
booking\_flight  
flights

console  
1 CREATE UNIQUE INDEX idx\_unique\_passport  
2 ON Passengers (passport\_number);  
3

[42P07] ERROR: relation "idx\_unique\_passport" already exists

Services  
Tx  
Database  
postgres  
console 1

Output  
Result 17  
[2025-11-12 00:05:43] [22P02] ERROR: invalid input syntax for type integer: "DME"  
[2025-11-12 00:05:43] Позиция: 90  
[2025-11-12 00:06:55] postgres.public> EXPLAIN ANALYZE  
SELECT flight\_id, flight\_no  
FROM flights  
WHERE departure\_airport\_id = 1  
AND arrival\_airport\_id = 3  
[2025-11-12 00:06:55] 7 rows retrieved starting from 1 in 394 ms (execution: 13 ms, fetching: 381 ms)  
[2025-11-12 00:07:43] postgres.public> CREATE UNIQUE INDEX idx\_unique\_passport  
ON Passengers (passport\_number)  
[2025-11-12 00:07:43] completed in 7 ms  
[2025-11-12 00:07:45] postgres.public> CREATE UNIQUE INDEX idx\_unique\_passport  
ON Passengers (passport\_number)  
[2025-11-12 00:07:45] [42P07] ERROR: relation "idx\_unique\_passport" already exists

Database Consoles > postgres > console 1: 1:1 CRLF UTF-8 4 spaces

Database Explorer

postgres (1 of 4)

postgres (1 of 3)

public

tables 10

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

console

```
1 EXPLAIN ANALYZE
2 SELECT flight_id, flight_no
3 FROM flights
4 WHERE departure_airport_id = 1
5 AND arrival_airport_id = 3;
6
```

Services

Database

postgres

console

Output

Result 17

QUERY PLAN

```
1 Bitmap Heap Scan on flights (cost=4.30..10.33 rows=2 width=10) (actual time=0.025..0.030 rows=4 loops=1)
2   Recheck Cond: ((departure_airport_id = 1) AND (arrival_airport_id = 3))
3   Heap Blocks: exact=3
4   -> Bitmap Index Scan on idx_flights_route (cost=0.00..4.29 rows=2 width=0) (actual time=0.018..0.018 rows=4 loops=1)
5       Index Cond: ((departure_airport_id = 1) AND (arrival_airport_id = 3))
6 Planning Time: 0.098 ms
7 Execution Time: 0.047 ms
```

7 rows

Database Consoles > postgres > console 4:31 CRLF UTF-8 4 spaces

Database Explorer

postgres (1 of 4)

- postgres (1 of 3)
  - public
    - tables (10)
      - airline
      - airport
      - baggage
      - baggage\_check
      - boarding\_pass
      - booking
      - booking\_flight
      - flights

console

```
1 EXPLAIN ANALYZE
2 SELECT * FROM flights
3 WHERE departure_airport_id = 1 AND arrival_airport_id = 3;
4
```

Services

Database

- postgres
  - console

Output Result 14

QUERY PLAN

```
1 Bitmap Heap Scan on flights (cost=4.38..10.33 rows=2 width=199) (actual time=0.164..0.168 rows=4 loops=1)
2   Recheck Cond: ((departure_airport_id = 1) AND (arrival_airport_id = 3))
3   Heap Blocks: exact=3
4   -> Bitmap Index Scan on idx_flights_route (cost=0.00..4.29 rows=2 width=0) (actual time=0.160..0.160 rows=4 loops=1)
5       Index Cond: ((departure_airport_id = 1) AND (arrival_airport_id = 3))
6 Planning Time: 0.332 ms
7 Execution Time: 0.379 ms
```

7 rows

Database Consoles > postgres > console

4:1 CRLF UTF-8 4 spaces

Air: Moderate Tomorrow

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Database Explorer

postgres (1 of 4)

postgres (1 of 3)

public

tables (10)

airline

airport

baggage

baggage\_check

boarding\_pass

booking

booking\_flight

flights

Services

Database

postgres

console

console

1 ✓ CREATE INDEX idx\_flights\_route

2 ⚠ flights (departure\_airport\_id, arrival\_airport\_id);

3

Output

postgres.public.flights

```
FROM flights
GROUP BY flight_no, scheduled_departure
HAVING COUNT(*) > 1
)
[2025-11-12 00:01:36] 14 rows retrieved starting from 1 in 462 ms (execution: 21 ms, fetching: 441 ms)
[2025-11-12 00:02:27] postgres.public> CREATE INDEX idx_flight_sched
ON flights (flight_no, scheduled_departure)
[2025-11-12 00:02:27] completed in 7 ms
[2025-11-12 00:03:01] postgres.public> CREATE INDEX idx_flights_route
ON flights (departure_eirport_id, arrival_airport_id)
[2025-11-12 00:03:01] completed in 7 ms
```

Database Consoles > postgres > console 3:1 CRLF UTF-8 4 spaces

Database Explorer console x postgres public

Database Explorer

- postgres (tot 4)
  - postgres (1 of 3)
    - public
      - tables (10)
        - airline
        - airport
        - baggage
        - baggage\_check
        - boarding\_pass
        - booking
        - booking\_flight
        - flights

console

```
1 CREATE INDEX idx_flight_sched
2 ON flights (flight_no, scheduled_departure);
3
```

Services

Output postgres.public.flights

```
FROM flights
WHERE (flight_no, scheduled_departure) IN (
  SELECT flight_no, scheduled_departure
  FROM flights
  GROUP BY flight_no, scheduled_departure
  HAVING COUNT(*) > 1
)

[2025-11-12 00:01:36] 14 rows retrieved starting from 1 in 462 ms (execution: 21 ms, fetching: 441 ms)
[2025-11-12 00:02:27] postgres.public> CREATE INDEX idx_flight_sched
ON flights (flight_no, scheduled_departure)
[2025-11-12 00:02:27] completed in 7 ms
```

Database Consoles > postgres > console 3:1 CRLF UTF-8 4 spaces

Air: Moderate Tomorrow

Поиск

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Database Explorer

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- postgres (1 of 3)
  - public
    - tables (10)
      - airline
      - airport
      - baggage
      - baggage\_check
      - boarding\_pass
      - booking
      - booking\_flight
      - flights

console

1 ✓ CREATE INDEX idx\_flights\_actual\_departure

2 ON flights (actual\_departure);

3

Services

Tx

Database

- postgres
  - console

[2025-11-11 23:56:12] Connected

[2025-11-11 23:56:12] postgres> CREATE INDEX idx\_flights\_actual\_departure

ON flights (actual\_departure)

[2025-11-11 23:56:12] completed in 47 ms

Database Consoles > postgres > console

3.1 CRLF UTF-8 4 spaces

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Поиск

11:56 PM  
11/11/2025