

pgAdmin 4 Object Tools Edit View Window Help pgAdmin 4

Object Explorer techdat/postgres@PostgreSQL 17\* public.flights/tech... X

Query History

```
--4
--without index
set enable_indexscan=off;
explain analyze
select * from flights where actual_departure='2024-02-09';
--with index
set enable_indexscan=on;
explain analyze
select * from flights where actual_departure='2024-02-09';
```

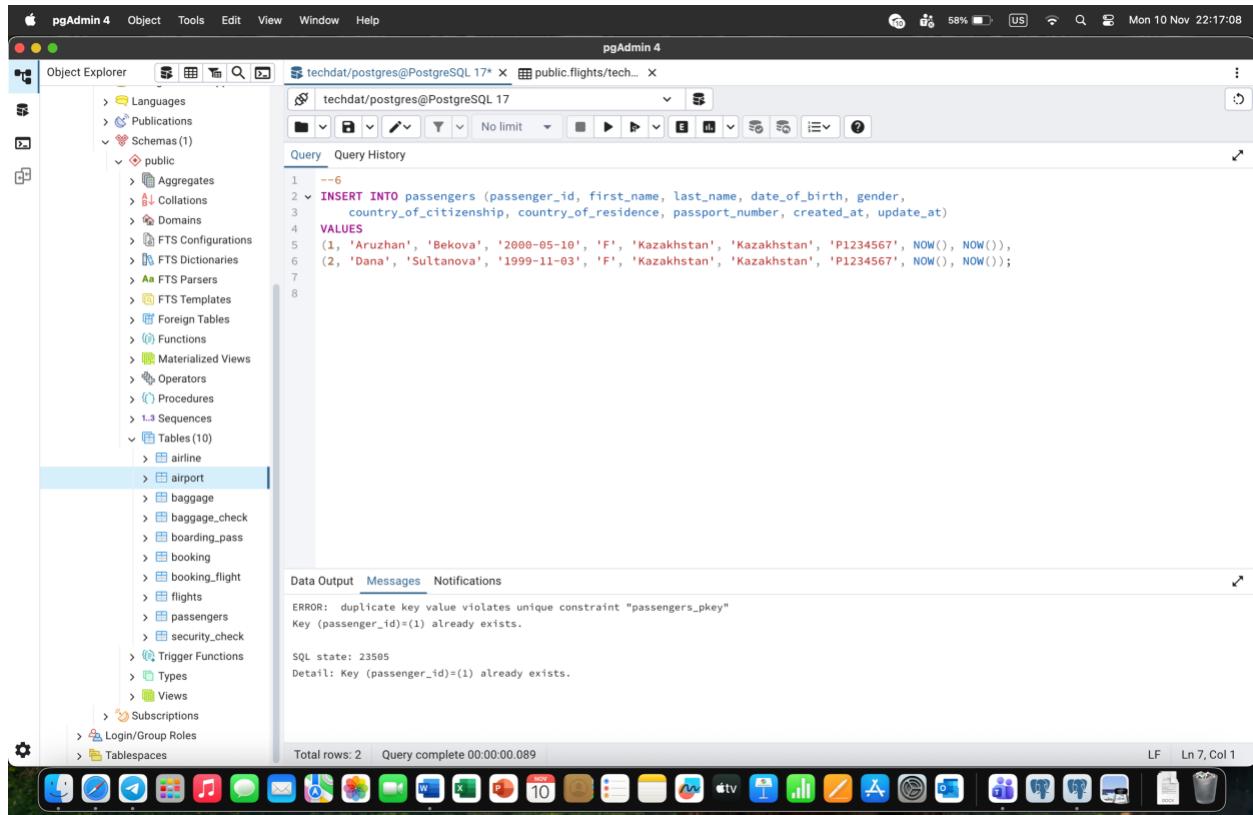
Data Output Messages Notifications

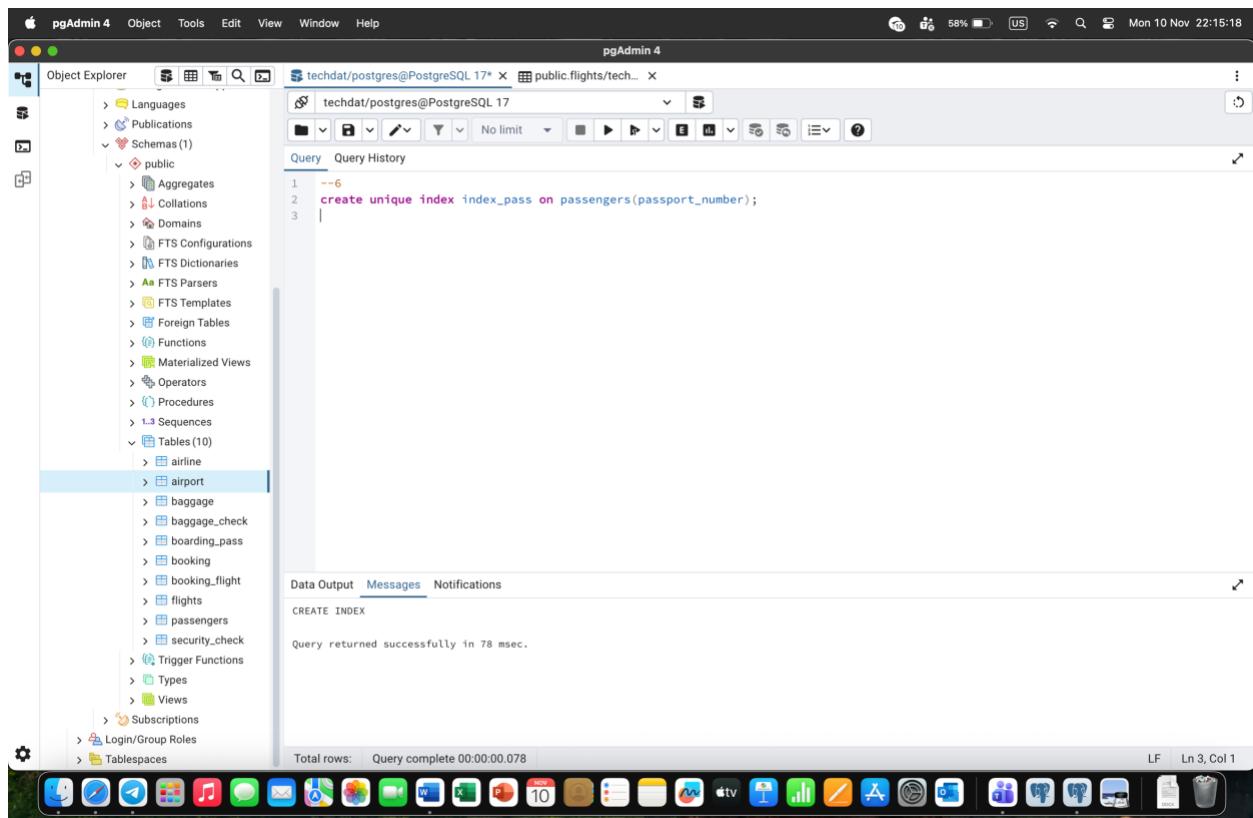
QUERY PLAN text

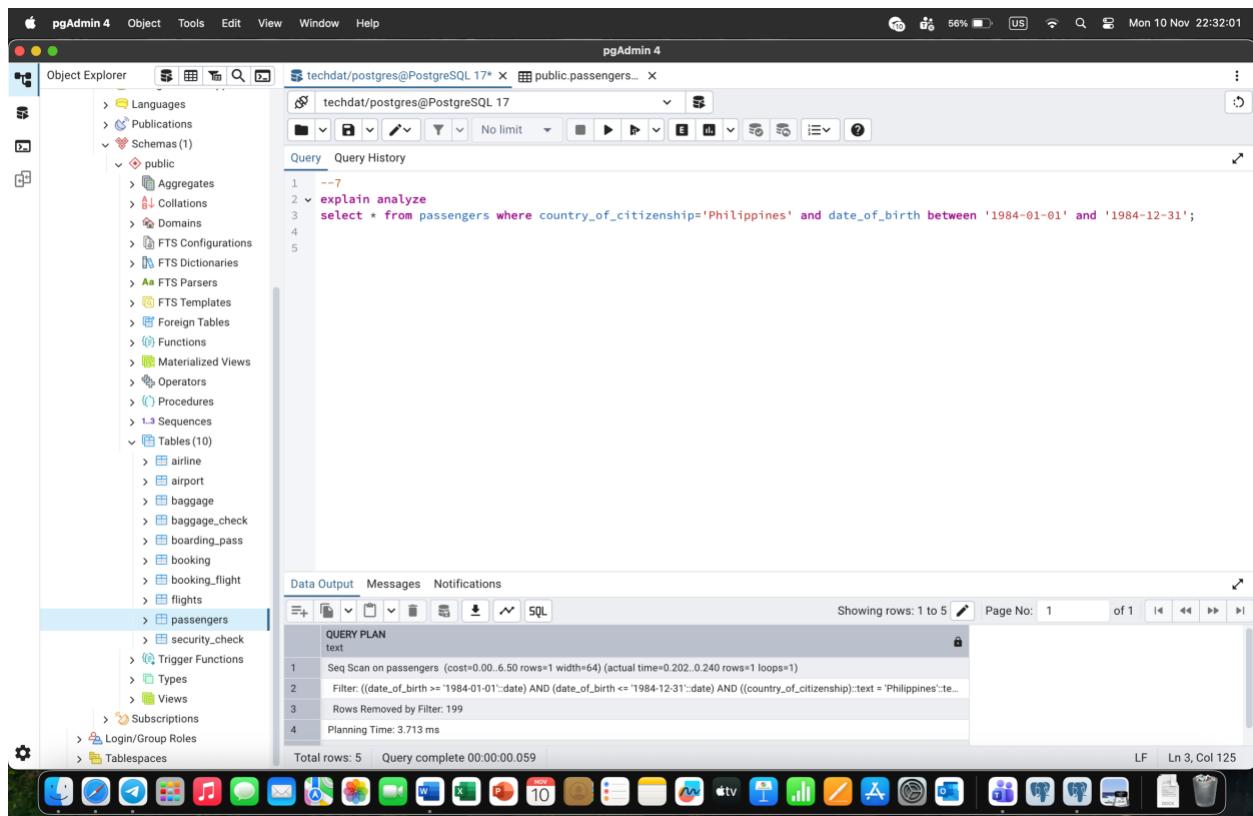
1	Bitmap Heap Scan on flights (cost=4.29..9.96 rows=2 width=61) (actual time=0.012..0.013 rows=2 loops=1)
2	Recheck Cond: (actual_departure = '2024-02-09'::date)
3	Heap Blocks: exact=2
4	→ Bitmap Index Scan on idx_act_flight_dep (cost=0.00..4.29 rows=2 width=0) (actual time=0.006..0.006 rows=2 loops=1)

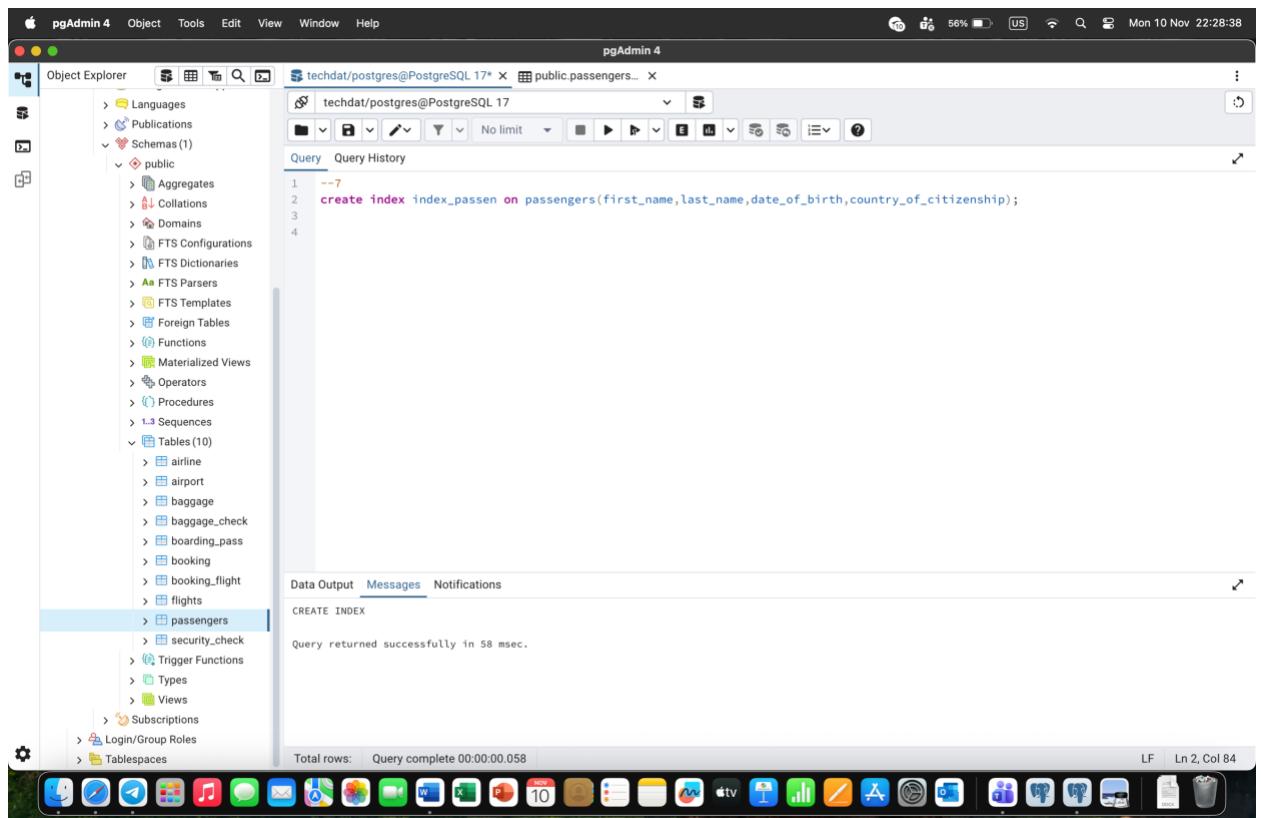
Total rows: 7 Query complete 00:00:00.112 LF Ln 9, Col 59

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left sidebar is the Object Explorer, displaying the schema structure of a PostgreSQL database. The main area contains a SQL editor window with a query history and a detailed query plan table. The query plan table shows four steps: a bitmap heap scan on the 'flights' table, a recheck condition for the date '2024-02-09', heap blocks being checked, and finally a bitmap index scan on an index named 'idx\_act\_flight\_dep'. The status bar at the bottom indicates the total rows found (7) and the completion time (00:00:00.112). The desktop dock at the bottom shows various application icons.











The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying the schema structure of the 'public' schema, including tables like 'airline', 'booking', and 'passenger'. The right pane is the Query Editor, showing a SQL command to create an index:

```
--2
create index index_depar on flights(flight_no,scheduled_departure);
```

The Data Output tab shows the error message:

ERROR: relation "index\_depar" already exists  
SQL state: 42P07

Total rows: Query complete 00:00:00.035

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying the schema structure of the 'public' schema, including tables like 'airline', 'booking', and 'passenger'. The right pane is the Query Editor, showing a SQL command to drop an index:

```
--8
drop index if exists index_pass;
drop index if exists index_passen;
```

The Data Output tab shows the confirmation message:

DROP INDEX  
Query returned successfully in 65 msec.

Total rows: Query complete 00:00:00.065

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Object Explorer techdat/postgres@PostgreSQL 17\* public.passenger... Query History

1 --8  
2 select indexname, indexdef from pg\_indexes where tablename='passengers';  
3  
4

Data Output Messages Notifications

Showing rows: 1 to 3 Page No: 1 of 1

indexname	indexdef
passenger_pkey	CREATE UNIQUE INDEX passengers_pkey ON public.passenger USING btree (passenger_id)
index_pass	CREATE UNIQUE INDEX index_pass ON public.passenger USING btree (passport_number)
index_passen	CREATE INDEX index_passen ON public.passenger USING btree (first_name, last_name, date_of_birth, country_of_citizenship)

Total rows: 3 Query complete 00:00:00.085 LF Ln 2, Col 72

The screenshot shows the pgAdmin 4 interface on a Mac OS X desktop. The left pane is the Object Explorer, displaying the schema structure of the 'public' schema, including tables like 'airline', 'airport', 'baggage', etc. The right pane contains a query window with the SQL command 'select indexname, indexdef from pg\_indexes where tablename='passengers';'. Below the query window is a Data Output grid showing three rows of index definitions. The status bar at the bottom indicates 'Query complete 00:00:00.085'.