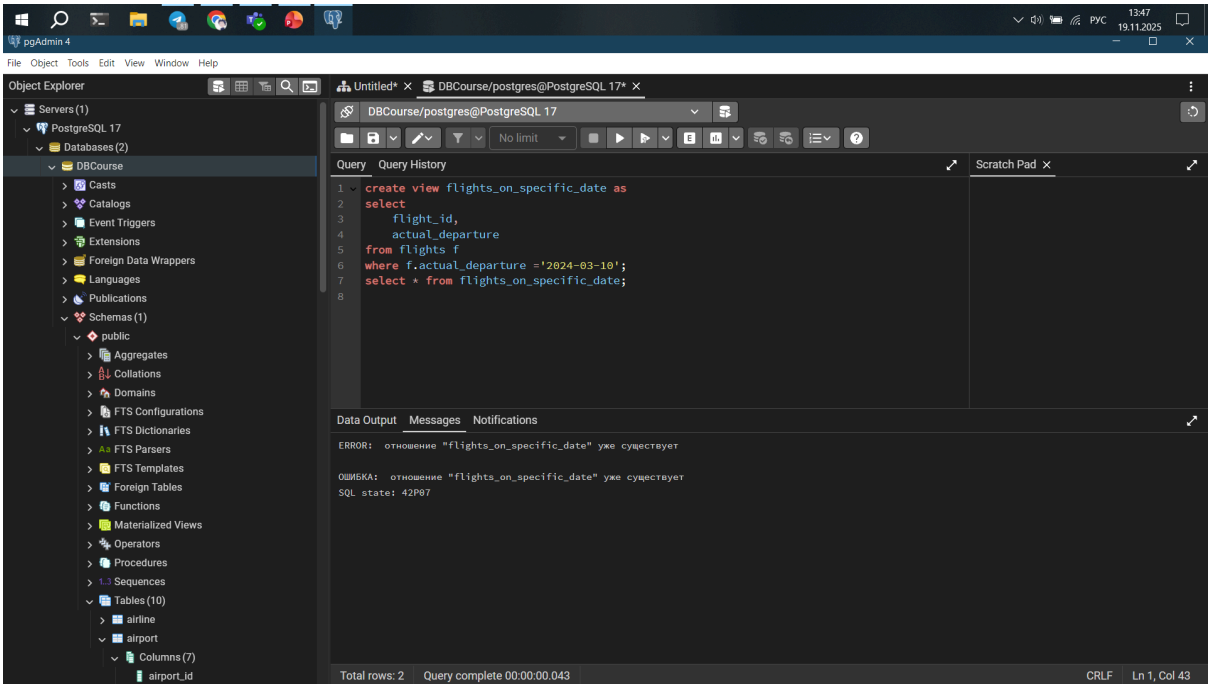
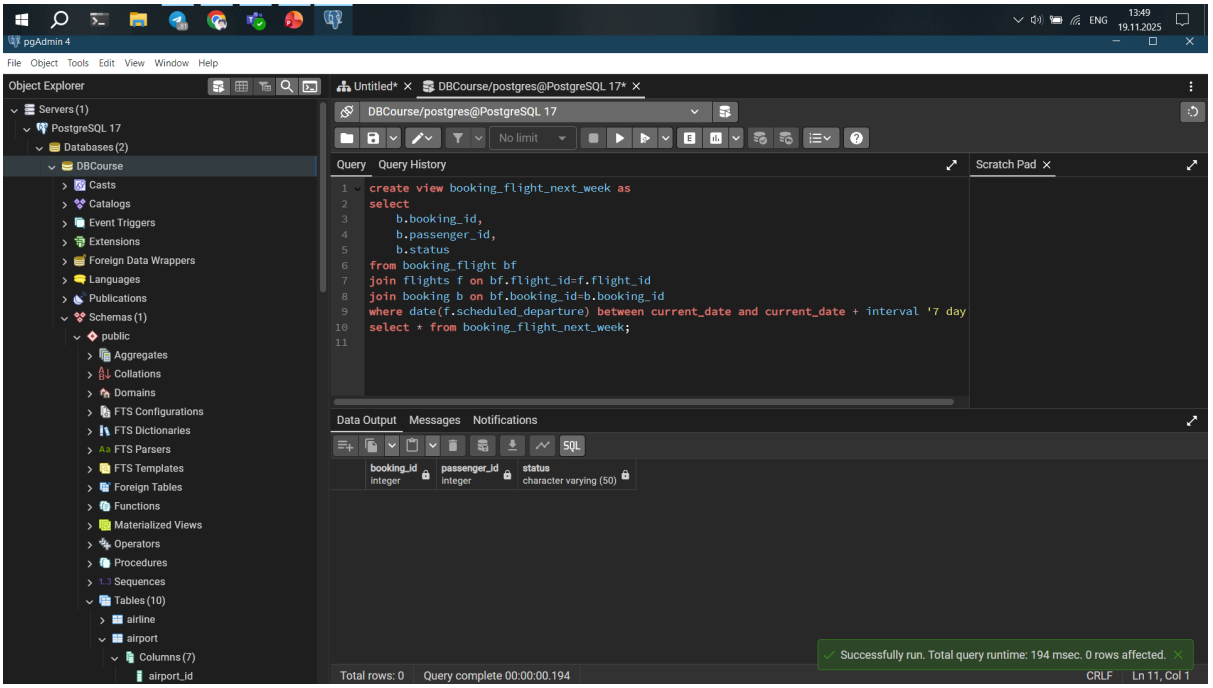
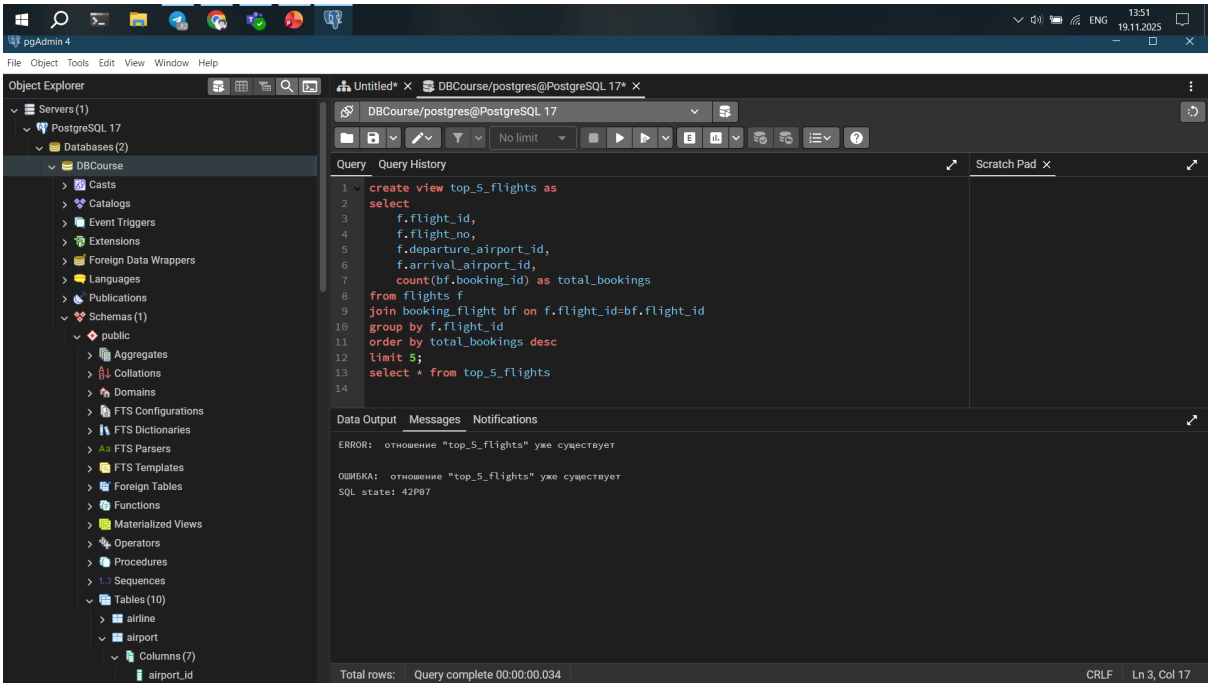
1.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view flights_on_specific_date as
select
flight_id,
actual_departure
from flights f
where f.actual_departure ='2024-03-10';
select * from flights_on_specific_date;
Data Output
Messages
Notifications
ERROR: отношение "flights_on_specific_date" уже существует
ОШИБКА: отношение "flights_on_specific_date" уже существует
SQL state: 42P07
Total rows: 2
Query complete 00:00:00.043
CRLF
Ln 1, Col 43

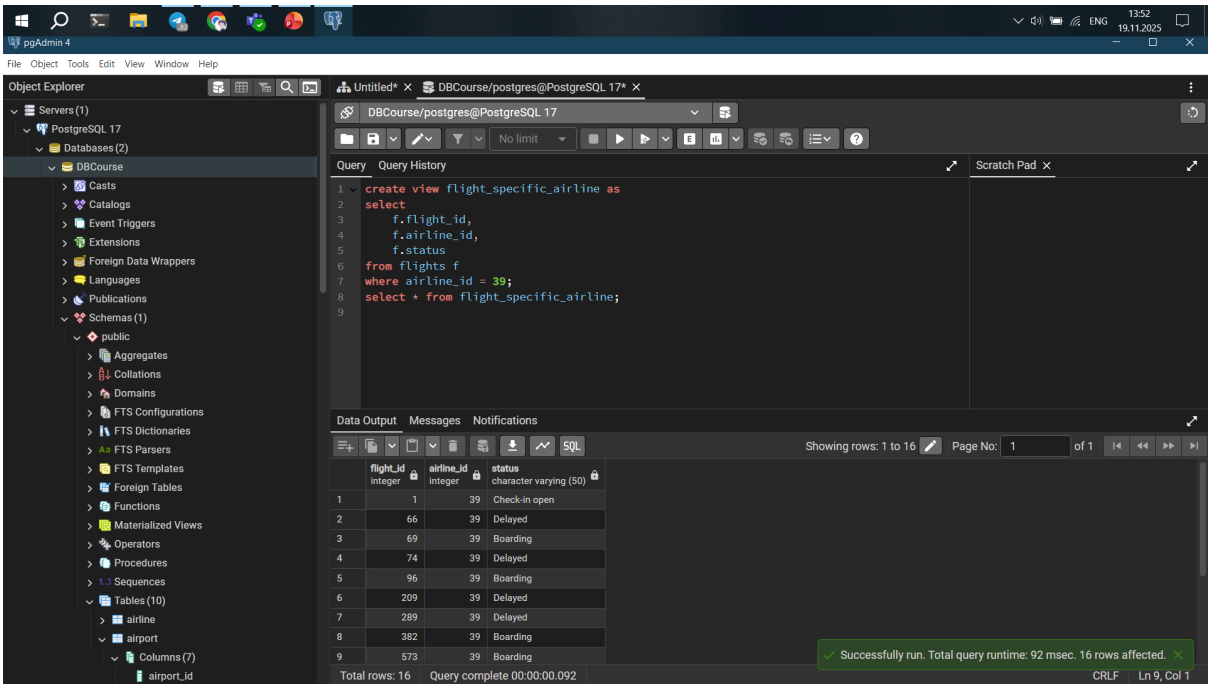
2.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view booking_flight_next_week as
select
b.booking_id,
b.passenger_id,
b.status
from booking_flight bf
join flights f on bf.flight_id=f.flight_id
join booking b on bf.booking_id=b.booking_id
where date(f.scheduled_departure) between current_date and current_date + interval '7 day
select * from booking_flight_next_week;
Data Output
Messages
Notifications
SQL
booking_id integer
passenger_id integer
status character varying (50)
Successfully run. Total query runtime: 194 msec. 0 rows affected.
Total rows: 0
Query complete 00:00:00.194
CRLF
Ln 11, Col 1

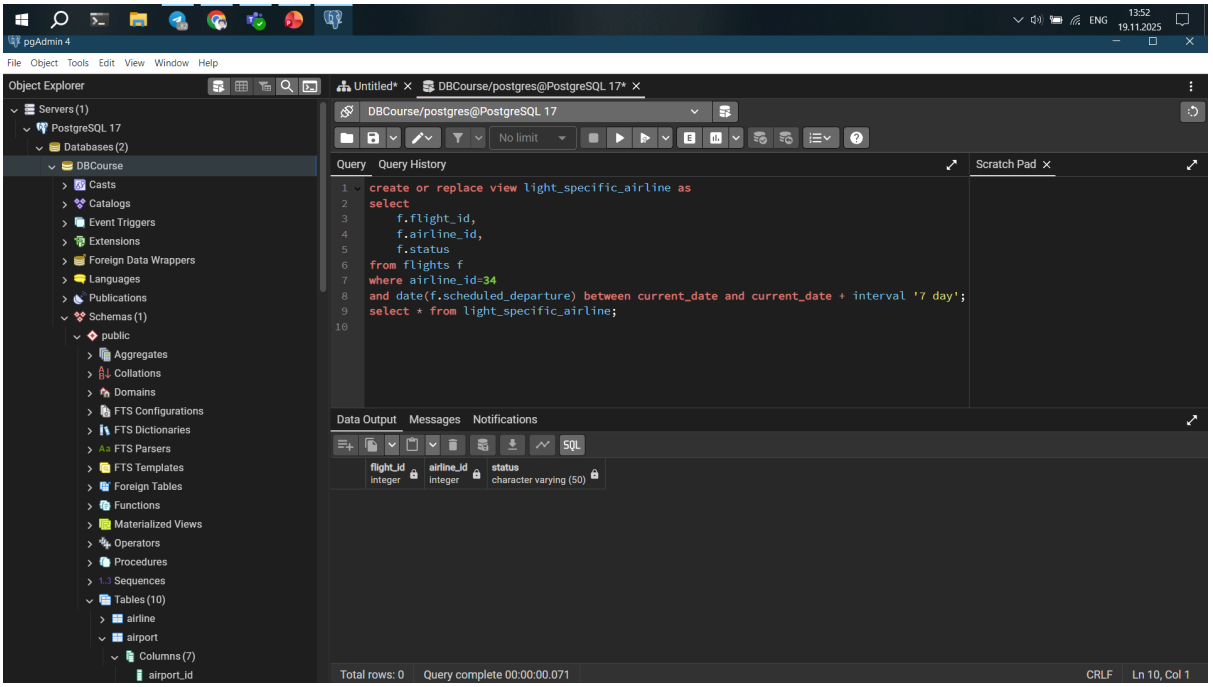
3.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view top_5_flights as
select
f.flight_id,
f.flight_no,
f.departure_airport_id,
f.arrival_airport_id,
count(bf.booking_id) as total_bookings
from flights f
join booking_flight bf on f.flight_id=bf.flight_id
group by f.flight_id
order by total_bookings desc
limit 5;
select * from top_5_flights
Data Output
Messages
Notifications
ERROR: отношение "top_5_flights" уже существует
ОШИБКА: отношение "top_5_flights" уже существует
SQL state: 42P07
Total rows:
Query complete 00:00:00.034
CRLF
Ln 3, Col 17

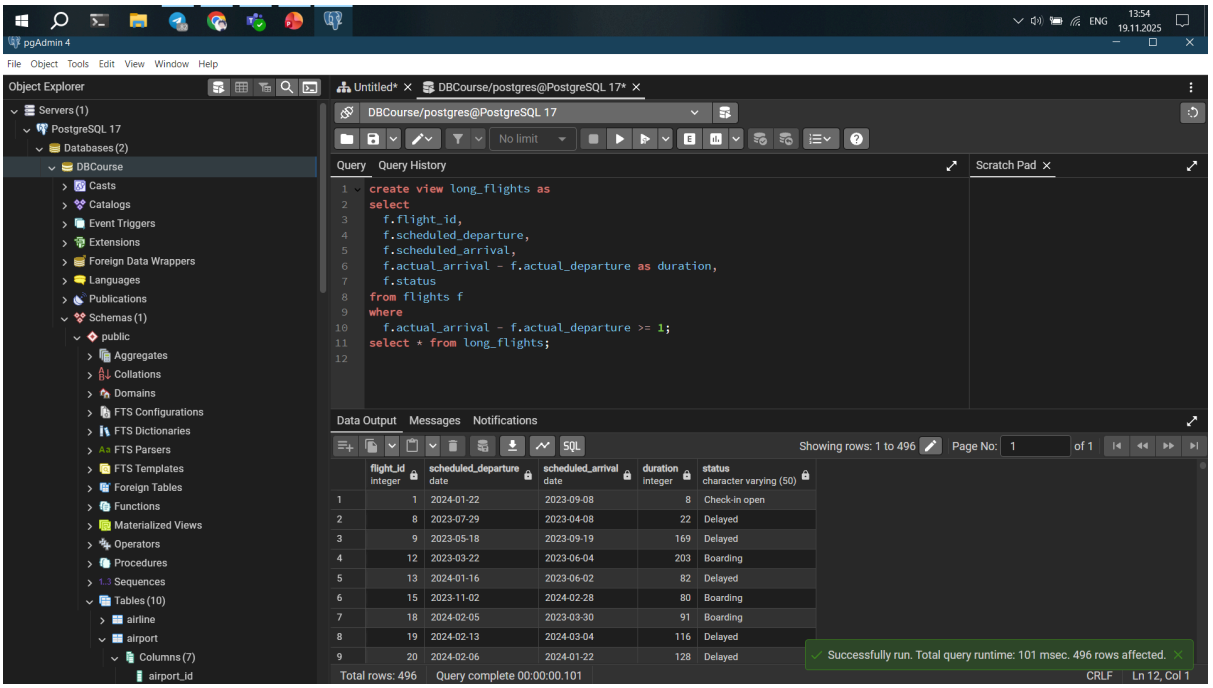
4.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view flight_specific_airline as
select
f.flight_id,
f.airline_id,
f.status
from flights f
where airline_id = 39;
select * from flight_specific_airline;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 16
Page No: 1
of 1
flight_id integer
airline_id integer
status character varying (50)
1 1 39 Check-in open
2 66 39 Delayed
3 69 39 Boarding
4 74 39 Delayed
5 96 39 Boarding
6 209 39 Delayed
7 289 39 Delayed
8 382 39 Boarding
9 573 39 Boarding
Successfully run. Total query runtime: 92 msec. 16 rows affected.
Total rows: 16
Query complete 00:00:00.092
CRLF
Ln 9, Col 1

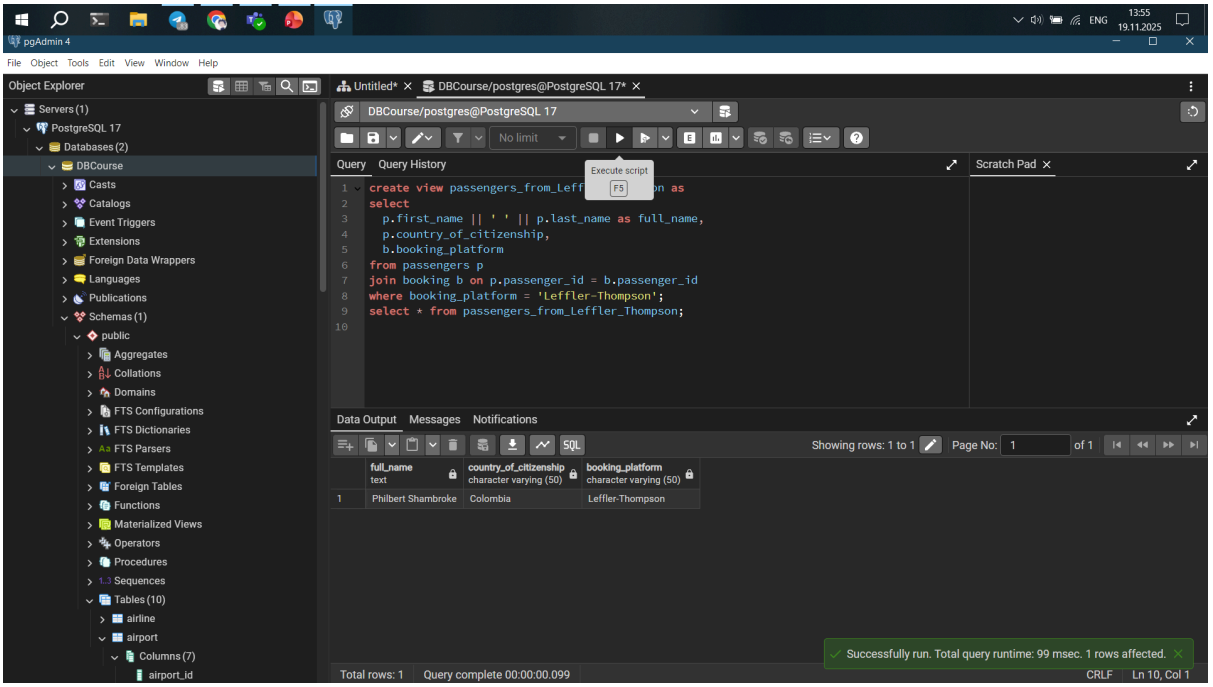
5.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create or replace view light_specific_airline as
select
f.flight_id,
f.airline_id,
f.status
from flights f
where airline_id=34
and date(f.scheduled_departure) between current_date and current_date + interval '7 day';
select * from light_specific_airline;
Data Output
Messages
Notifications
SQL
flight_id integer
airline_id integer
status character varying (50)
Total rows: 0
Query complete 00:00:00.071
CRLF
Ln 10, Col 1

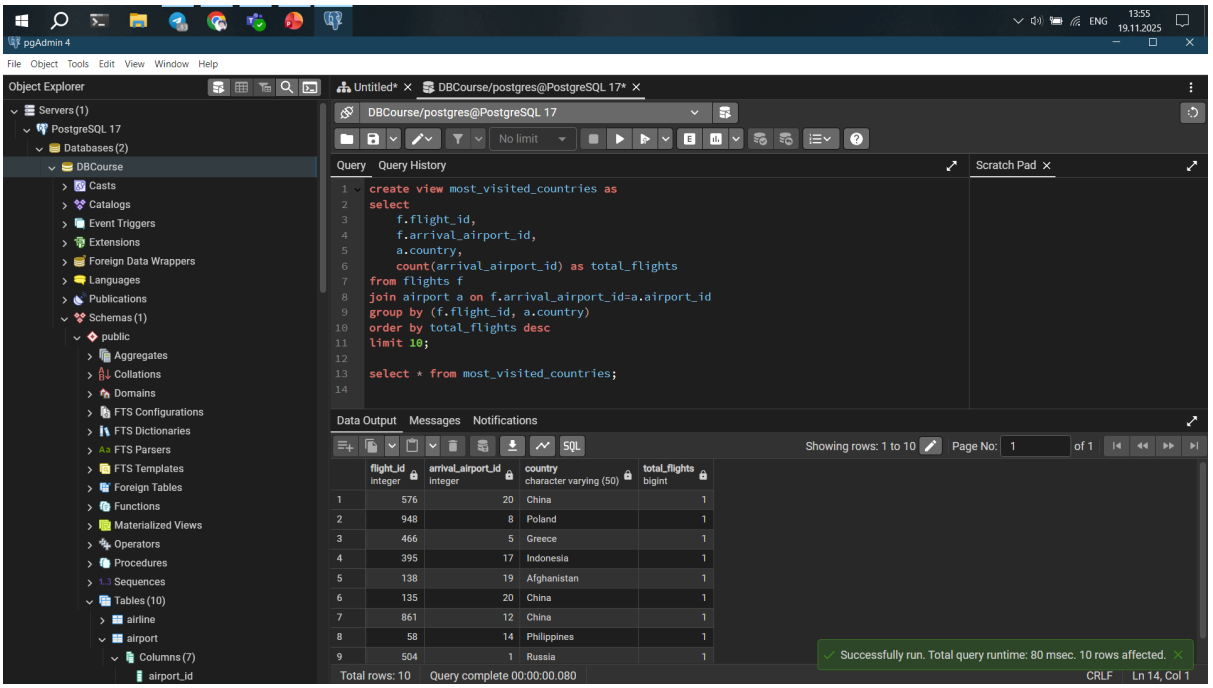
6.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view long_flights as
select
f.flight_id,
f.scheduled_departure,
f.scheduled_arrival,
f.actual_arrival - f.actual_departure as duration,
f.status
from flights f
where
f.actual_arrival - f.actual_departure >= 1;
select * from long_flights;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 496
Page No: 1
of 1
flight_id integer
scheduled_departure date
scheduled_arrival date
duration integer
status character varying (50)
1 1 2024-01-22 2023-09-08 8 Check-in open
2 8 2023-07-29 2023-04-08 22 Delayed
3 9 2023-05-18 2023-09-19 169 Delayed
4 12 2023-03-22 2023-06-04 203 Boarding
5 13 2024-01-16 2023-06-02 82 Delayed
6 15 2023-11-02 2024-02-28 80 Boarding
7 18 2024-02-05 2023-03-30 91 Boarding
8 19 2024-02-13 2024-03-04 116 Delayed
9 20 2024-02-06 2024-01-22 128 Delayed
Successfully run. Total query runtime: 101 msec. 496 rows affected.
Total rows: 496
Query complete 00:00:00.101
CRLF
Ln 12, Col 1

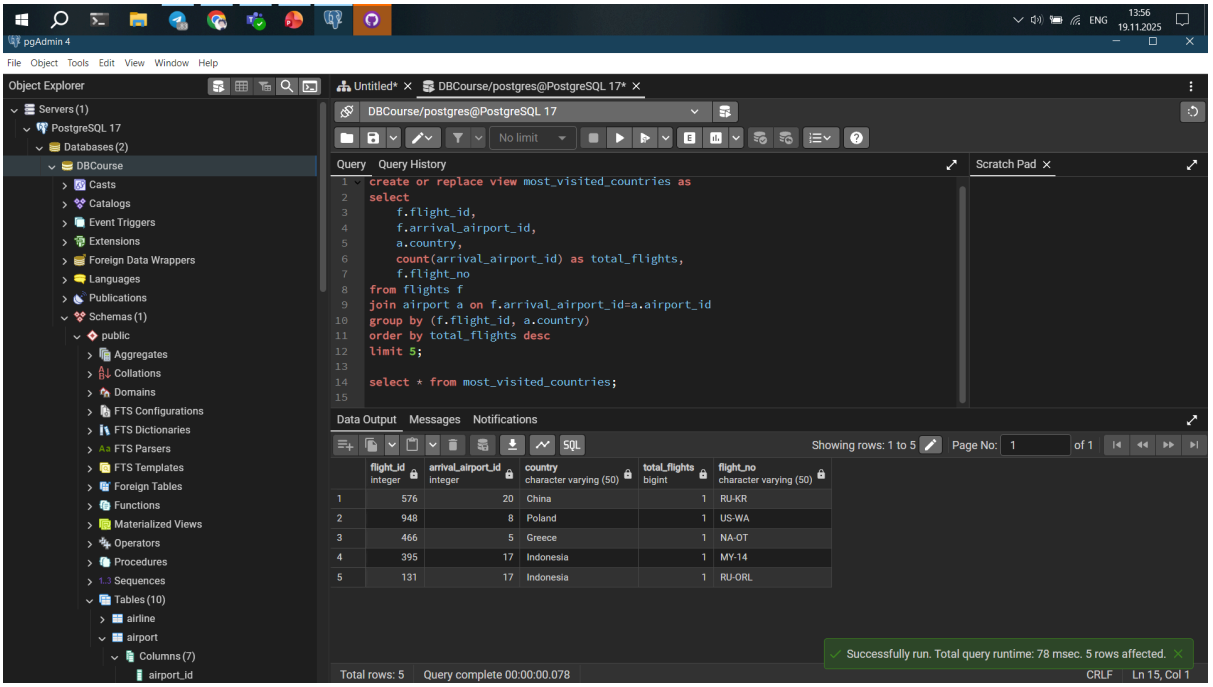
7.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Execute script
F5
Scratch Pad
create view passengers_from_Leff on as
select
p.first_name || ' ' || p.last_name as full_name,
p.country_of_citizenship,
b.booking_platform
from passengers p
join booking b on p.passenger_id = b.passenger_id
where booking_platform = 'Leffler-Thompson';
select * from passengers_from_Leffler_Thompson;
Data Output
Messages
Notifications
Showing rows: 1 to 1
Page No: 1
of 1
full_name
text
country_of_citizenship
character varying (50)
booking_platform
character varying (50)
1
Philbert Shambroke
Colombia
Leffler-Thompson
Successfully run. Total query runtime: 99 msec. 1 rows affected.
Total rows: 1
Query complete 00:00:00.099
CRLF
Ln 10, Col 1

8.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create view most_visited_countries as
select
f.flight_id,
f.arrival_airport_id,
a.country,
count(arrival_airport_id) as total_flights
from flights f
join airport a on f.arrival_airport_id=a.airport_id
group by (f.flight_id, a.country)
order by total_flights desc
limit 10;
select * from most_visited_countries;
Data Output
Messages
Notifications
Showing rows: 1 to 10
Page No: 1
of 1
flight_id
integer
arrival_airport_id
integer
country
character varying (50)
total_flights
bigint
1 576 20 China 1
2 948 8 Poland 1
3 466 5 Greece 1
4 395 17 Indonesia 1
5 138 19 Afghanistan 1
6 135 20 China 1
7 861 12 China 1
8 58 14 Philippines 1
9 504 1 Russia 1
Successfully run. Total query runtime: 80 msec. 10 rows affected.
Total rows: 10
Query complete 00:00:00.080
CRLF
Ln 14, Col 1

9.


pgAdmin 4
File Object Tools Edit View Window Help
Object Explorer
Servers (1)
PostgreSQL 17
Databases (2)
DBCourse
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
Columns (7)
airport_id
Untitled*
DBCourse/postgres@PostgreSQL 17*
DBCourse/postgres@PostgreSQL 17
No limit
Query
Query History
Scratch Pad
create or replace view most_visited_countries as
select
f.flight_id,
f.arrival_airport_id,
a.country,
count(arrival_airport_id) as total_flights,
f.flight_no
from flights f
join airport a on f.arrival_airport_id=a.airport_id
group by (f.flight_id, a.country)
order by total_flights desc
limit 5;
select * from most_visited_countries;
Data Output
Messages
Notifications
Showing rows: 1 to 5
Page No: 1
of 1
flight_id integer
arrival_airport_id integer
country character varying (50)
total_flights bigint
flight_no character varying (50)
1 576 20 China 1 RU-KR
2 948 8 Poland 1 US-WA
3 466 5 Greece 1 NA-OT
4 395 17 Indonesia 1 MY-14
5 131 17 Indonesia 1 RU-ORL
Successfully run. Total query runtime: 78 msec. 5 rows affected.
Total rows: 5
Query complete 00:00:00.078
CRLF
Ln 15, Col 1

10.