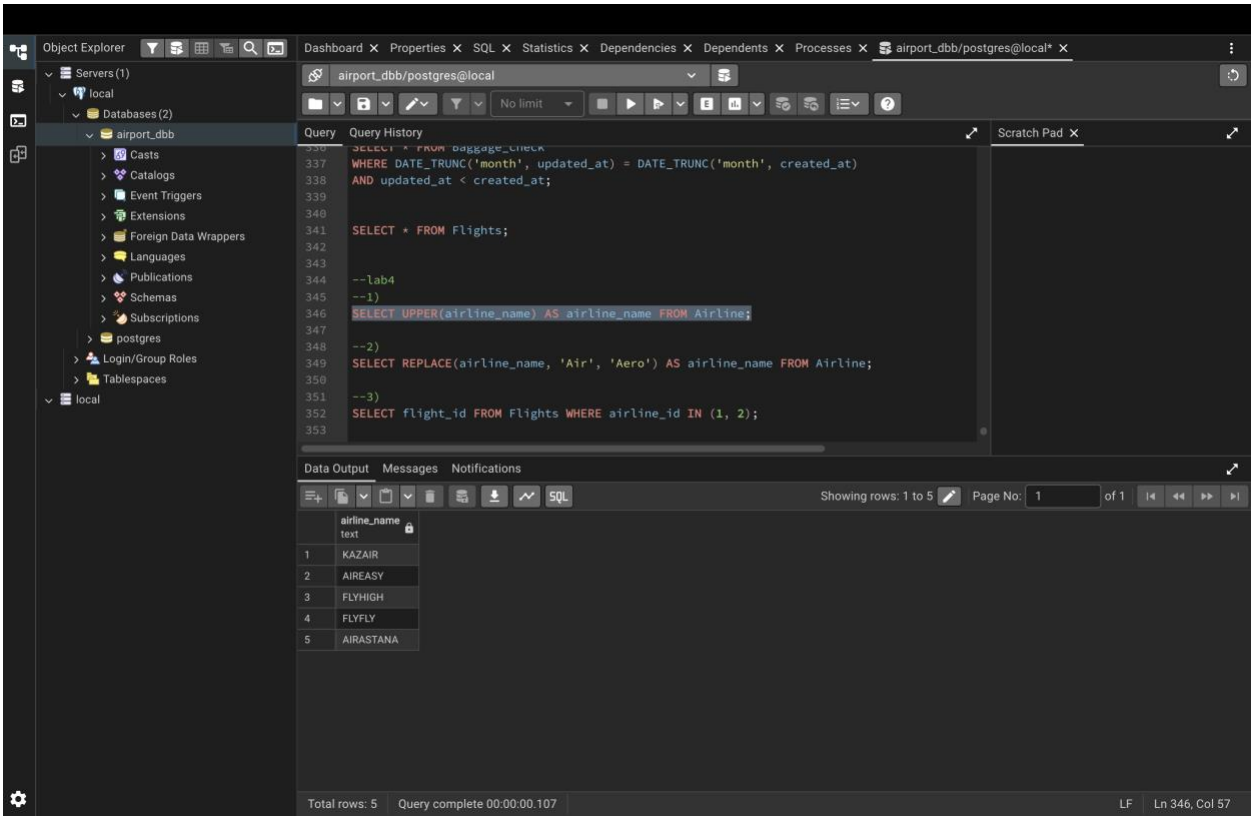
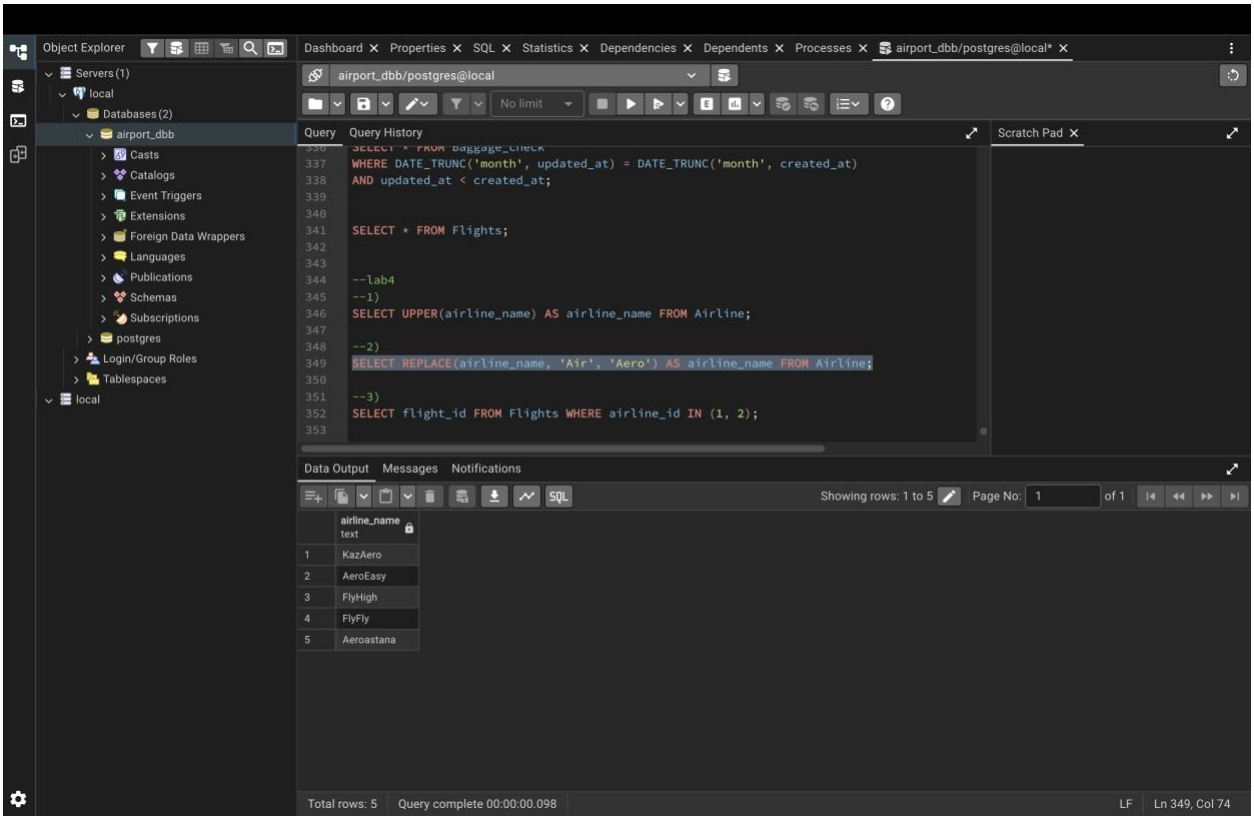
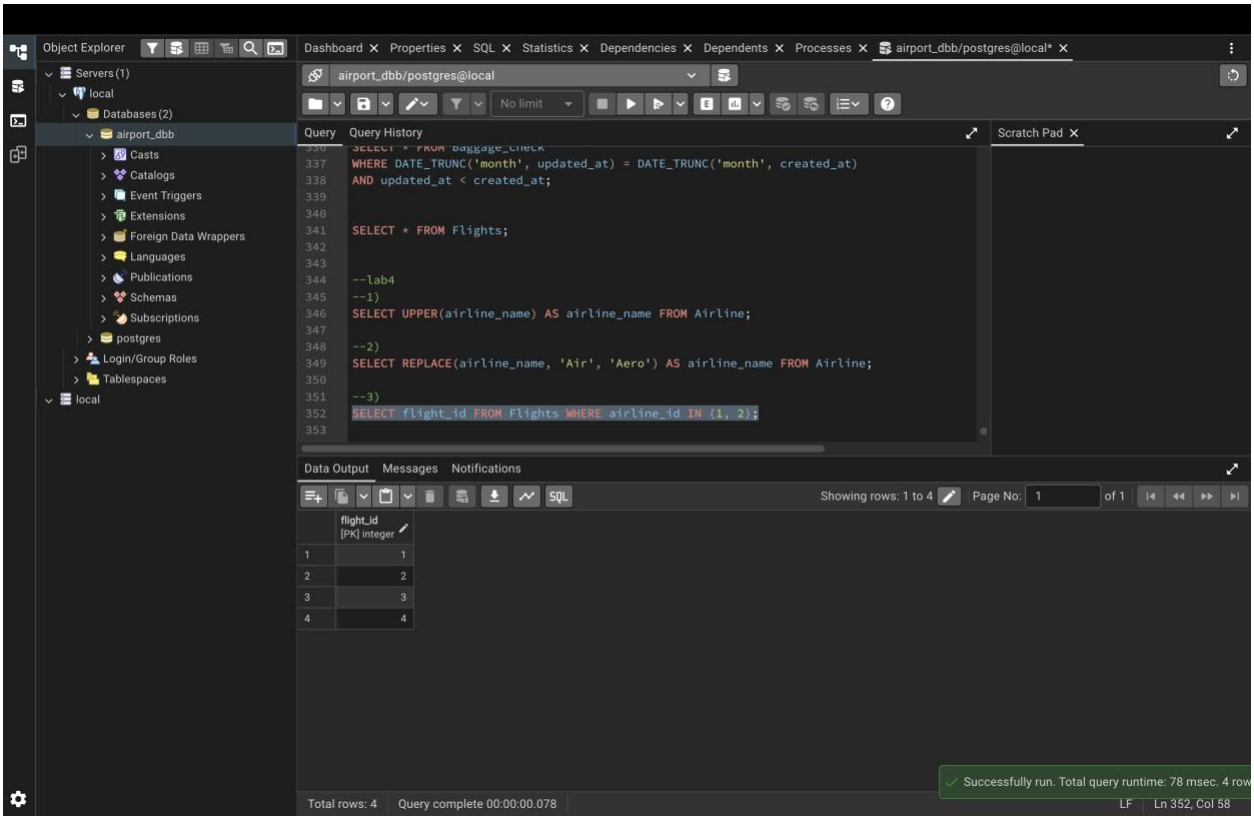
1)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)
AND updated_at < created_at;
SELECT * FROM Flights;
--lab4
--1)
SELECT UPPER(airline_name) AS airline_name FROM Airline;
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
Data Output
Messages
Notifications
Showing rows: 1 to 5
Page No: 1
of 1
airline_name
text
1 KAZAIR
2 AIREASY
3 FLYHIGH
4 FLYFLY
5 AIRASTANA
Total rows: 5
Query complete 00:00:00.107
LF
Ln 346, Col 57

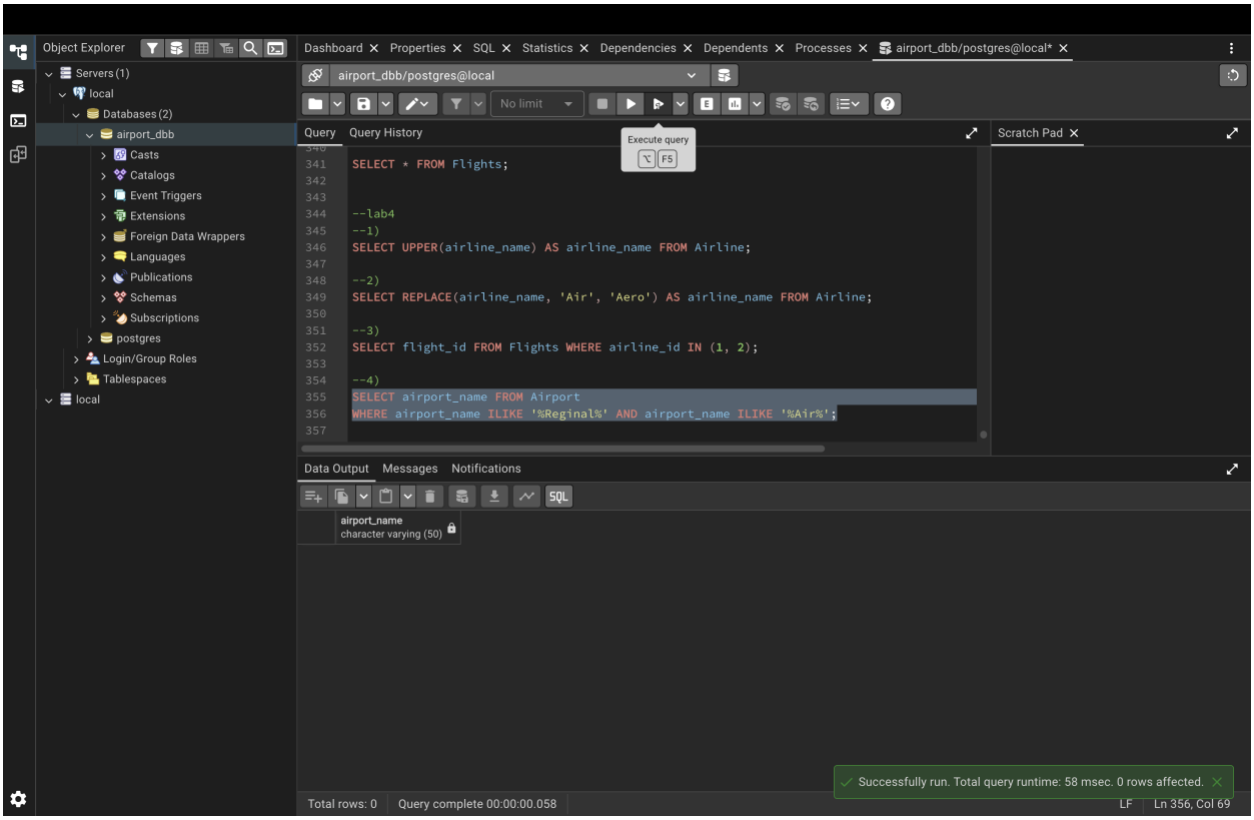
2)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)
AND updated_at < created_at;
SELECT * FROM Flights;
--lab4
--1)
SELECT UPPER(airline_name) AS airline_name FROM Airline;
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
Data Output
Messages
Notifications
Showing rows: 1 to 5
Page No: 1
of 1
airline_name
text
1 KazAero
2 AeroEasy
3 FlyHigh
4 FlyFly
5 Aeroastana
Total rows: 5
Query complete 00:00:00.098
LF
Ln 349, Col 74

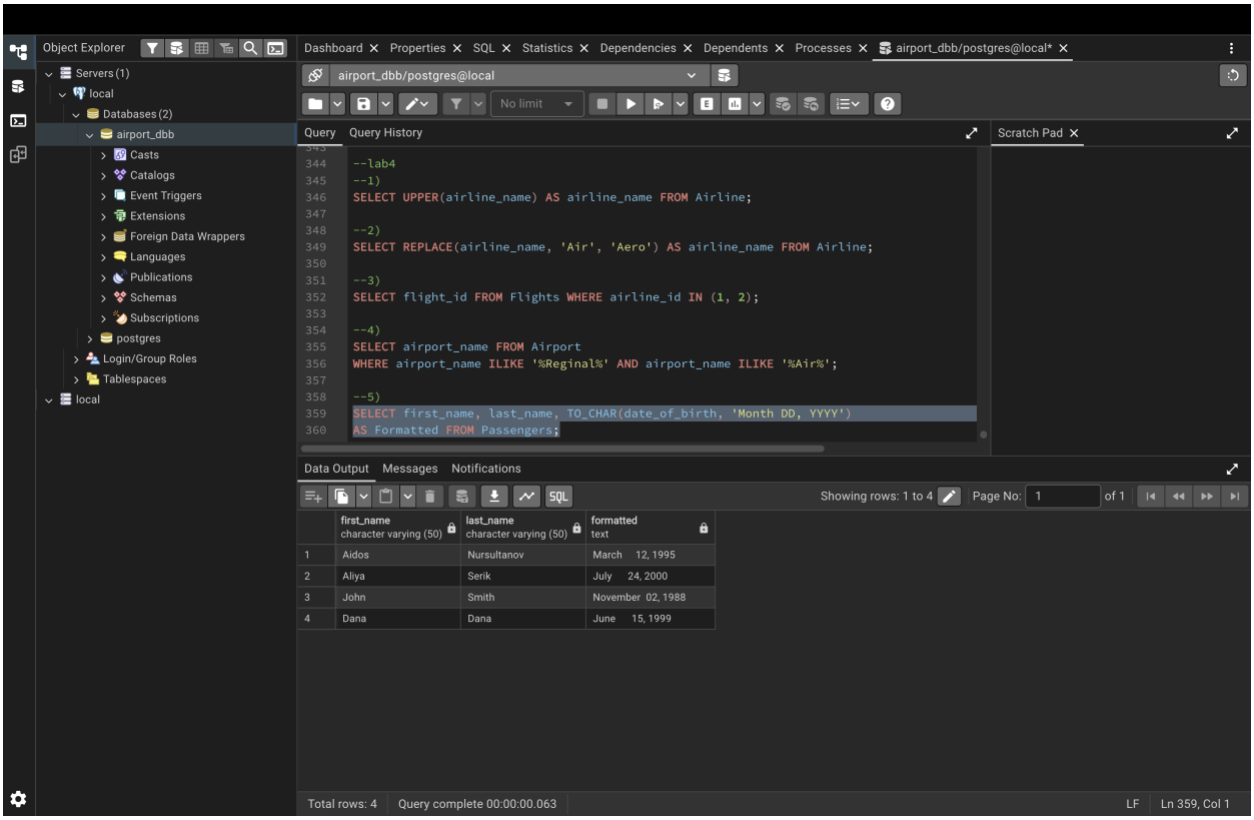
3)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)
AND updated_at < created_at;
SELECT * FROM Flights;
--lab4
--1)
SELECT UPPER(airline_name) AS airline_name FROM Airline;
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
Data Output
Messages
Notifications
Showing rows: 1 to 4
Page No: 1
of 1
flight_id
[PK] integer
1 1
2 2
3 3
4 4
Successfully run. Total query runtime: 78 msec. 4 row
Total rows: 4
Query complete 00:00:00.078
LF
Ln 352, Col 58

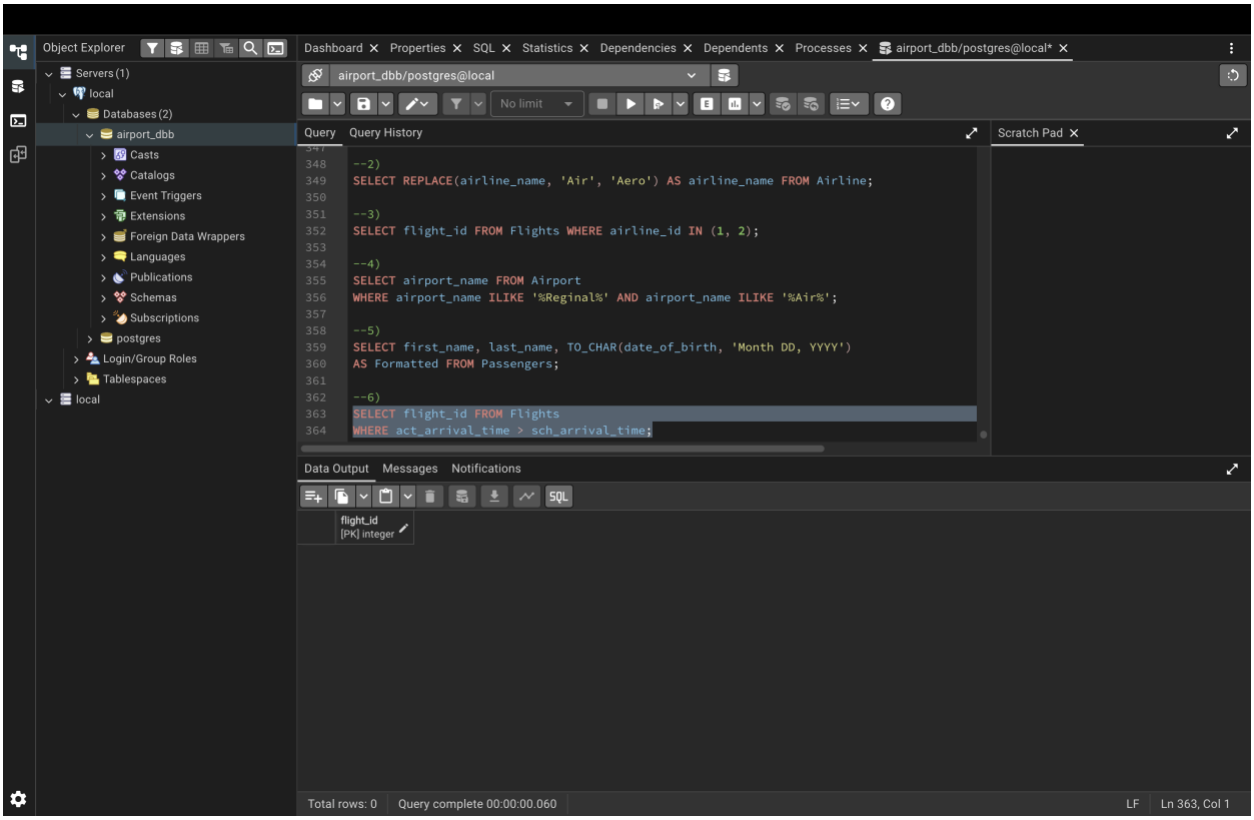
4)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Execute query
Query
Query History
Scratch Pad
SELECT * FROM Flights;
--lab4
--1)
SELECT UPPER(airline_name) AS airline_name FROM Airline;
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
--4)
SELECT airport_name FROM Airport
WHERE airport_name ILIKE '%Reginal%' AND airport_name ILIKE '%Air%';
Data Output
Messages
Notifications
SQL
airport_name
character varying (50)
Successfully run. Total query runtime: 58 msec. 0 rows affected.
Total rows: 0
Query complete 00:00:00.058
LF
Ln 356, Col 69

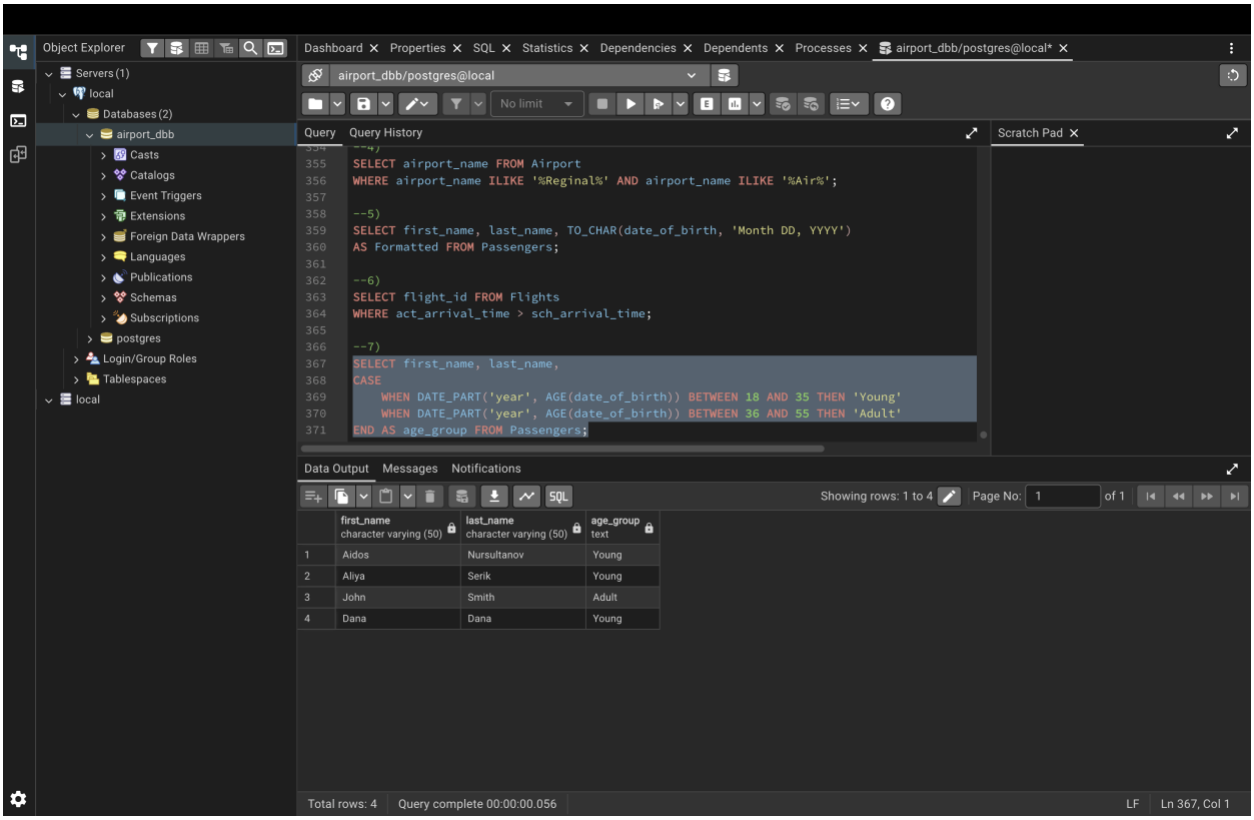
5)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
--lab4
--1)
SELECT UPPER(airline_name) AS airline_name FROM Airline;
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
--4)
SELECT airport_name FROM Airport
WHERE airport_name ILIKE '%Reginal%' AND airport_name ILIKE '%Air%';
--5)
SELECT first_name, last_name, TO_CHAR(date_of_birth, 'Month DD, YYYY')
AS Formatted FROM Passengers;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 4
Page No: 1
of 1
first_name
character varying (50)
last_name
character varying (50)
formatted
text
1 Aidos Nursultanov March 12, 1995
2 Aliya Serik July 24, 2000
3 John Smith November 02, 1988
4 Dana Dana June 15, 1999
Total rows: 4
Query complete 00:00:00.063
LF
Ln 359, Col 1

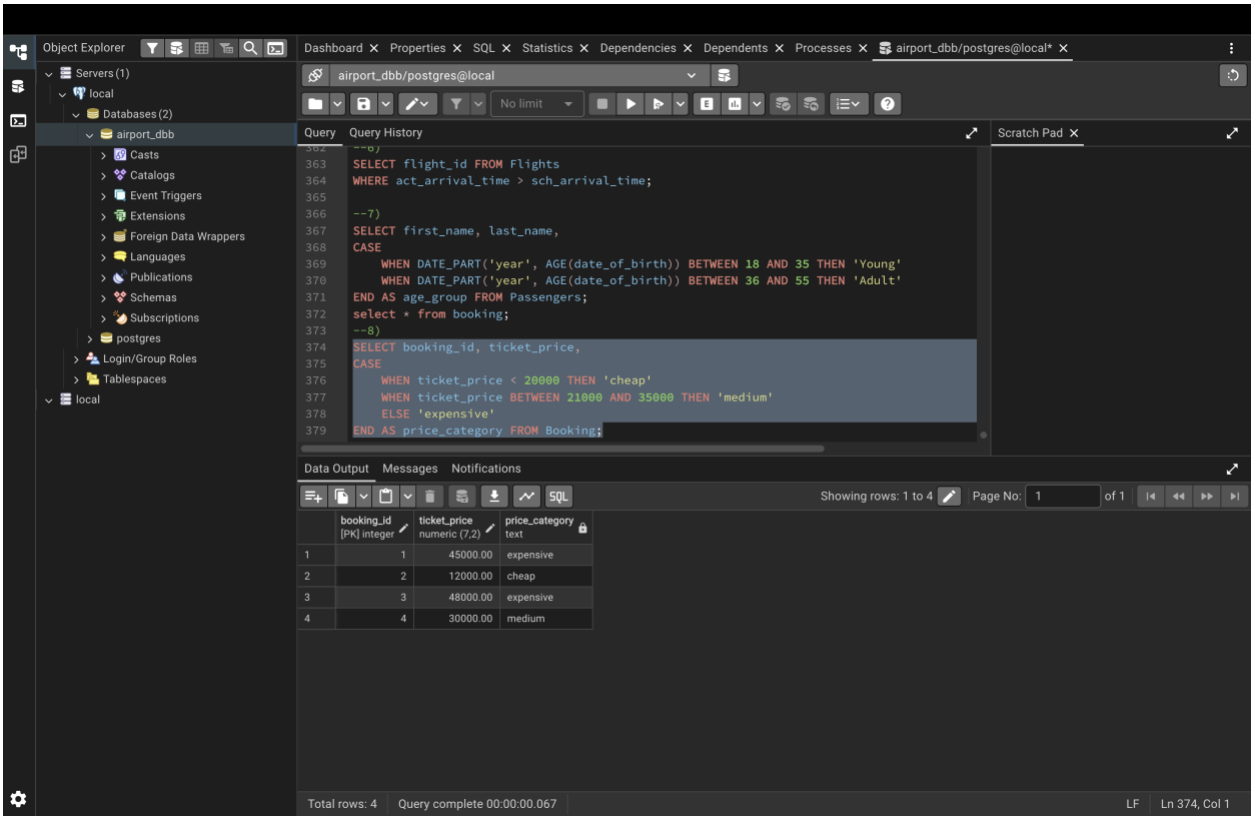
6)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
--2)
SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;
--3)
SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);
--4)
SELECT airport_name FROM Airport
WHERE airport_name ILIKE '%Reginal%' AND airport_name ILIKE '%Air%';
--5)
SELECT first_name, last_name, TO_CHAR(date_of_birth, 'Month DD, YYYY')
AS Formatted FROM Passengers;
--6)
SELECT flight_id FROM Flights
WHERE act_arrival_time > sch_arrival_time;
Data Output
Messages
Notifications
SQL
flight_id
[PK] integer
Total rows: 0
Query complete 00:00:00.060
LF
Ln 363, Col 1

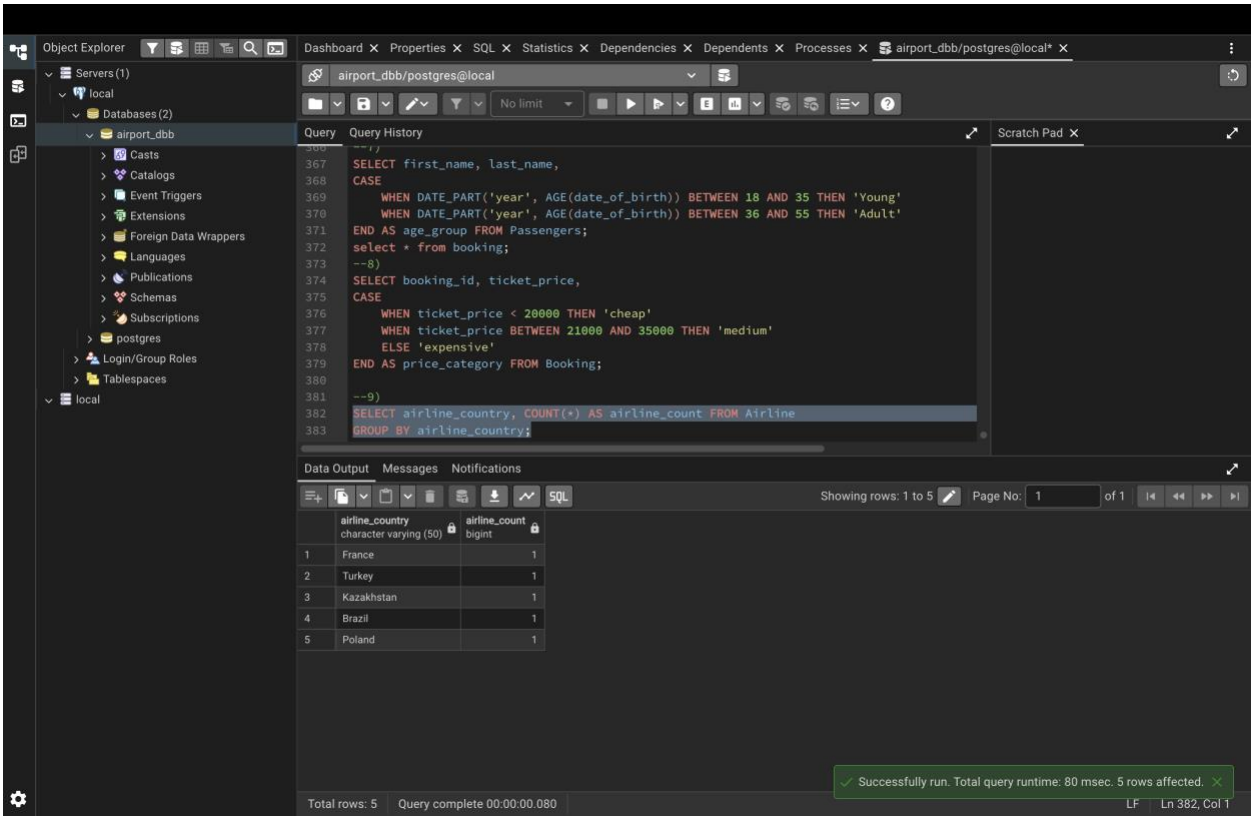
7)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
SELECT airport_name FROM Airport
WHERE airport_name ILIKE '%Reginal%' AND airport_name ILIKE '%Air%';
--5)
SELECT first_name, last_name, TO_CHAR(date_of_birth, 'Month DD, YYYY')
AS Formatted FROM Passengers;
--6)
SELECT flight_id FROM Flights
WHERE act_arrival_time > sch_arrival_time;
--7)
SELECT first_name, last_name,
CASE
WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'
WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'
END AS age_group FROM Passengers;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 4
Page No: 1
of 1
first_name character varying (50)
last_name character varying (50)
age_group text
1 Aidos Nursultanov Young
2 Aliya Serik Young
3 John Smith Adult
4 Dana Dana Young
Total rows: 4
Query complete 00:00:00.056
LF
Ln 367, Col 1

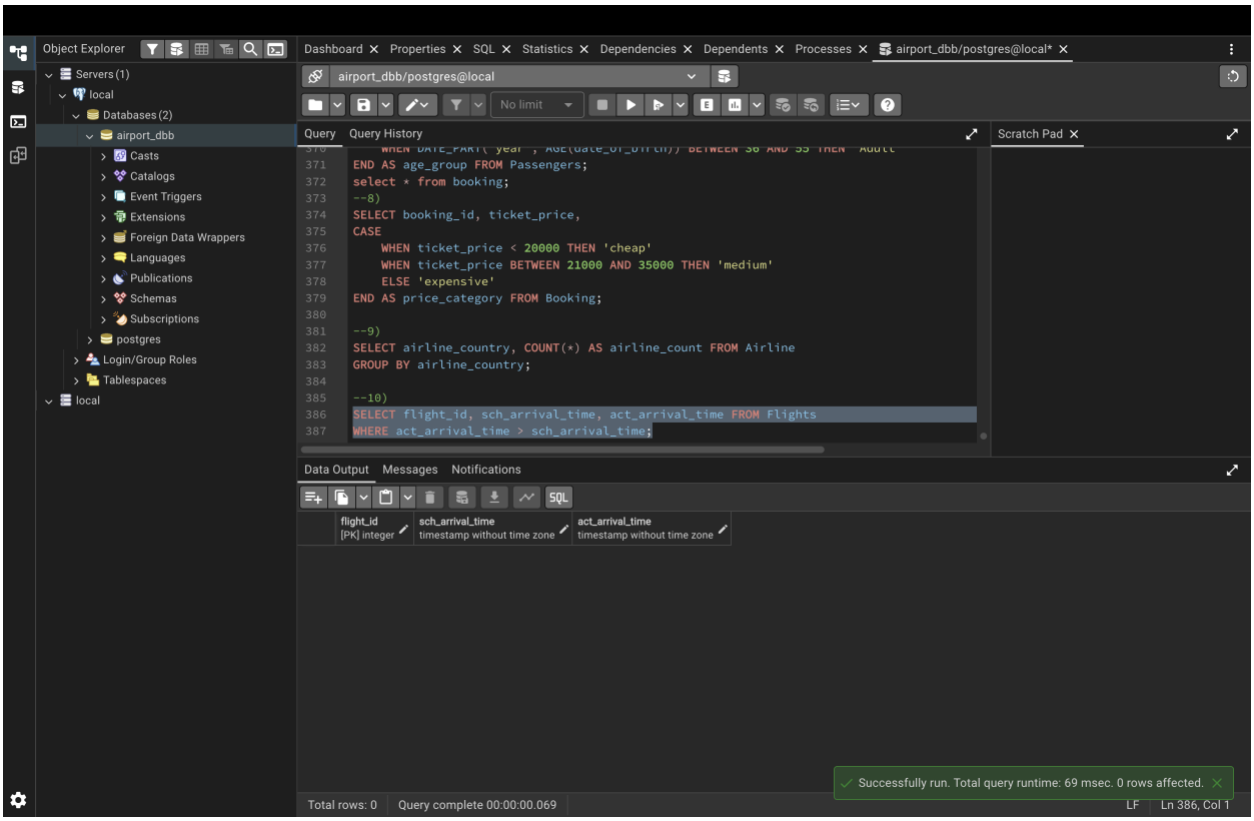
8)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
363 SELECT flight_id FROM Flights
364 WHERE act_arrival_time > sch_arrival_time;
365
366 --7)
367 SELECT first_name, last_name,
368 CASE
369 WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'
370 WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'
371 END AS age_group FROM Passengers;
372 select * from booking;
373 --8)
374 SELECT booking_id, ticket_price,
375 CASE
376 WHEN ticket_price < 20000 THEN 'cheap'
377 WHEN ticket_price BETWEEN 21000 AND 35000 THEN 'medium'
378 ELSE 'expensive'
379 END AS price_category FROM Booking;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 4
Page No: 1
of 1
booking_id [PK] integer
ticket_price numeric (7,2)
price_category text
1 1 45000.00 expensive
2 2 12000.00 cheap
3 3 48000.00 expensive
4 4 30000.00 medium
Total rows: 4
Query complete 00:00:00.067
LF
Ln 374, Col 1

9)


Object Explorer
Servers (1)
local
Databases (2)
airport_dbb
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas
Subscriptions
postgres
Login/Group Roles
Tablespaces
local
Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
airport_dbb/postgres@local*
airport_dbb/postgres@local
No limit
Query
Query History
Scratch Pad
367 SELECT first_name, last_name,
368 CASE
369 WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'
370 WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'
371 END AS age_group FROM Passengers;
372 select * from booking;
373 --8)
374 SELECT booking_id, ticket_price,
375 CASE
376 WHEN ticket_price < 20000 THEN 'cheap'
377 WHEN ticket_price BETWEEN 21000 AND 35000 THEN 'medium'
378 ELSE 'expensive'
379 END AS price_category FROM Booking;
380
381 --9)
382 SELECT airline_country, COUNT(*) AS airline_count FROM Airline
383 GROUP BY airline_country;
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 5
Page No: 1
of 1
airline_country character varying (50)
airline_count bigint
1 France 1
2 Turkey 1
3 Kazakhstan 1
4 Brazil 1
5 Poland 1
Successfully run. Total query runtime: 80 msec. 5 rows affected.
Total rows: 5
Query complete 00:00:00.080
LF
Ln 382, Col 1

10)



--lab4

--1)

SELECT UPPER(airline_name) AS airline_name FROM Airline;

--2)

SELECT REPLACE(airline_name, 'Air', 'Aero') AS airline_name FROM Airline;

--3)

SELECT flight_id FROM Flights WHERE airline_id IN (1, 2);

--4)

SELECT airport_name FROM Airport

WHERE airport_name ILIKE '%Reginal%' AND airport_name ILIKE '%Air%';

```
--5)
SELECT first_name, last_name, TO_CHAR(date_of_birth, 'Month DD, YYYY')
AS Formatted FROM Passengers;

--6)
SELECT flight_id FROM Flights
WHERE act_arrival_time > sch_arrival_time;

--7)
SELECT first_name, last_name,
CASE
        WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'
        WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'
END AS age_group FROM Passengers;
select * from booking;
--8)
SELECT booking_id, ticket_price,
CASE
        WHEN ticket_price < 20000 THEN 'cheap'
        WHEN ticket_price BETWEEN 21000 AND 35000 THEN 'medium'
        ELSE 'expensive'
END AS price_category FROM Booking;

--9)
SELECT airline_country, COUNT(*) AS airline_count FROM Airline
```

```
GROUP BY airline_country;


--10)
SELECT flight_id, sch_arrival_time, act_arrival_time FROM Flights
WHERE act_arrival_time > sch_arrival_time;
```