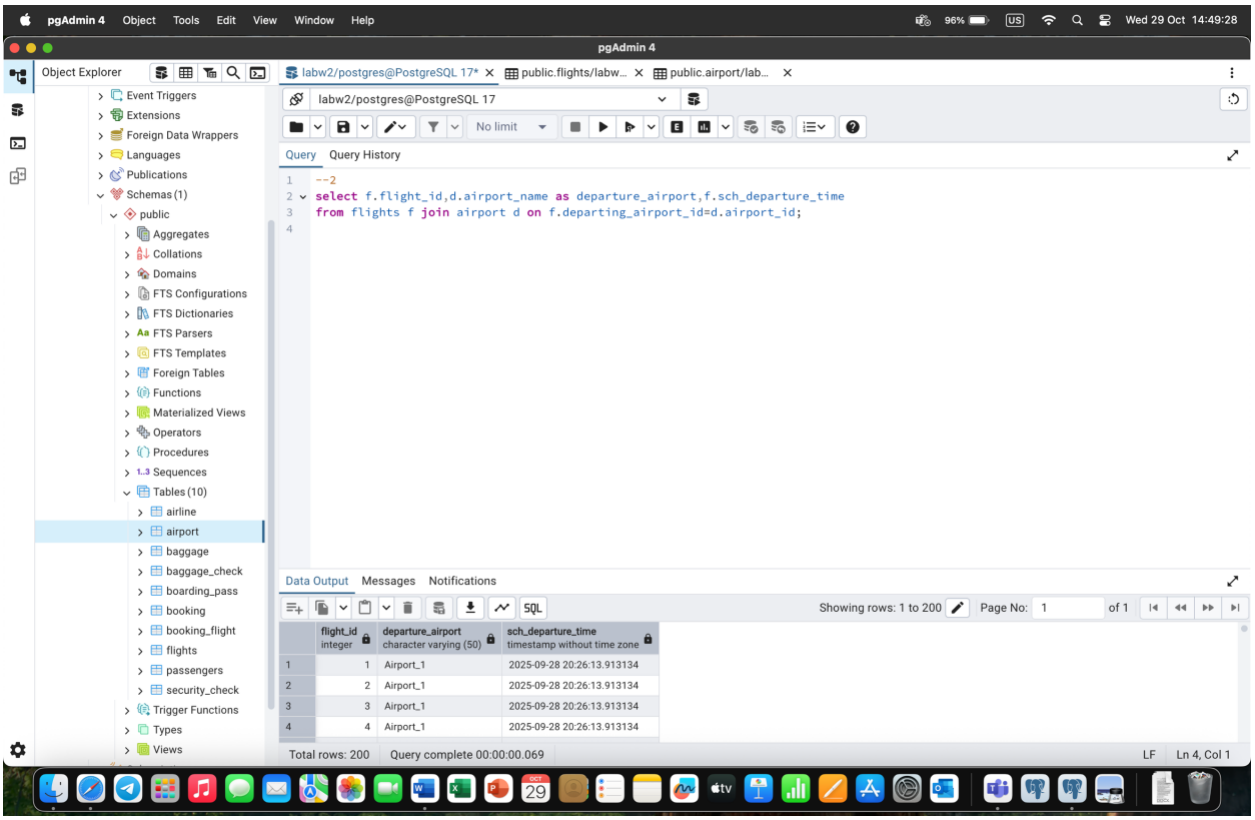
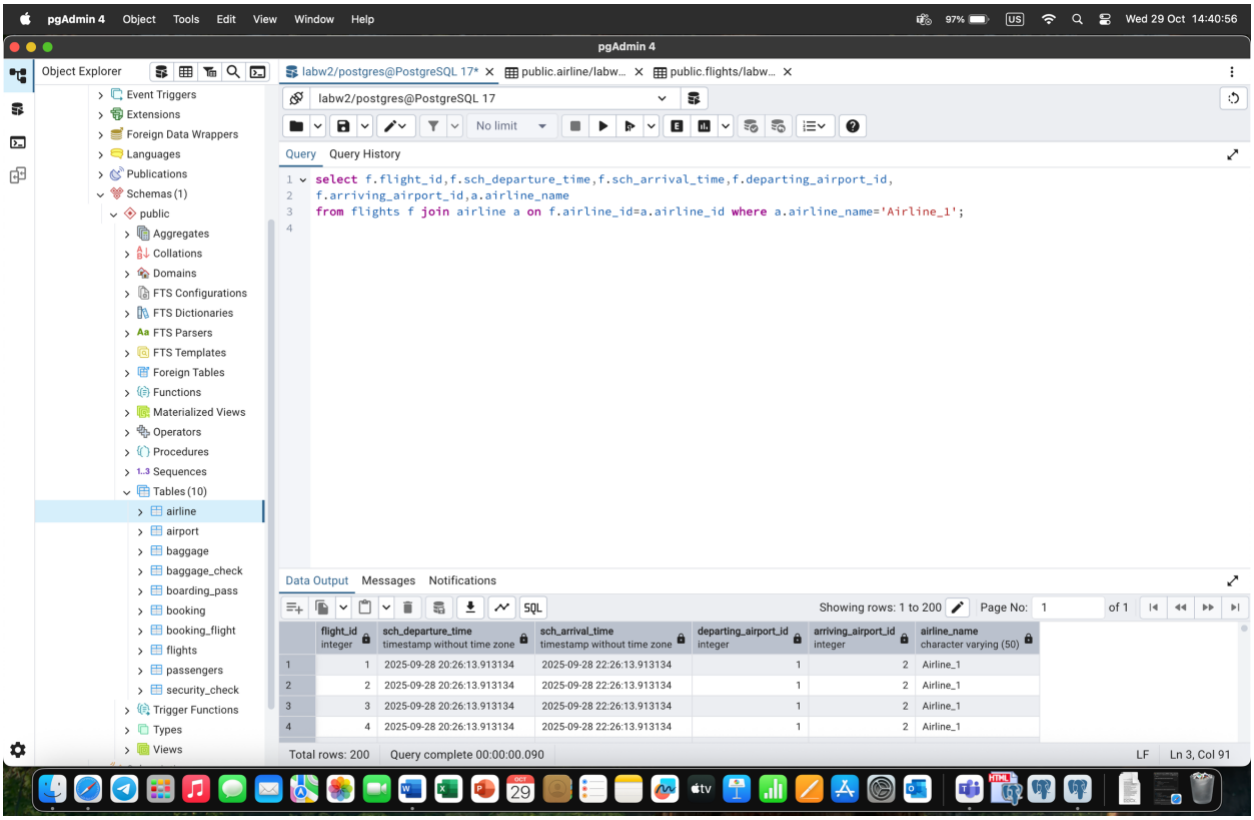
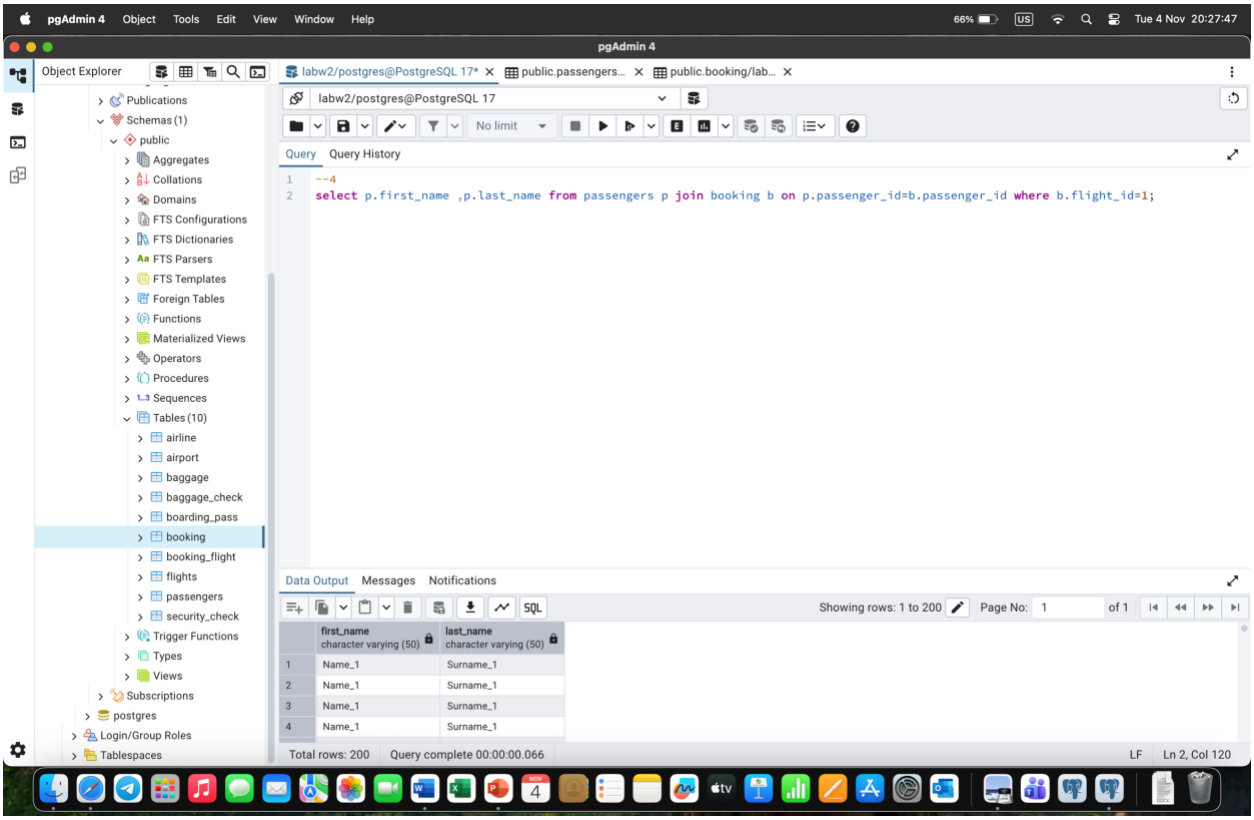
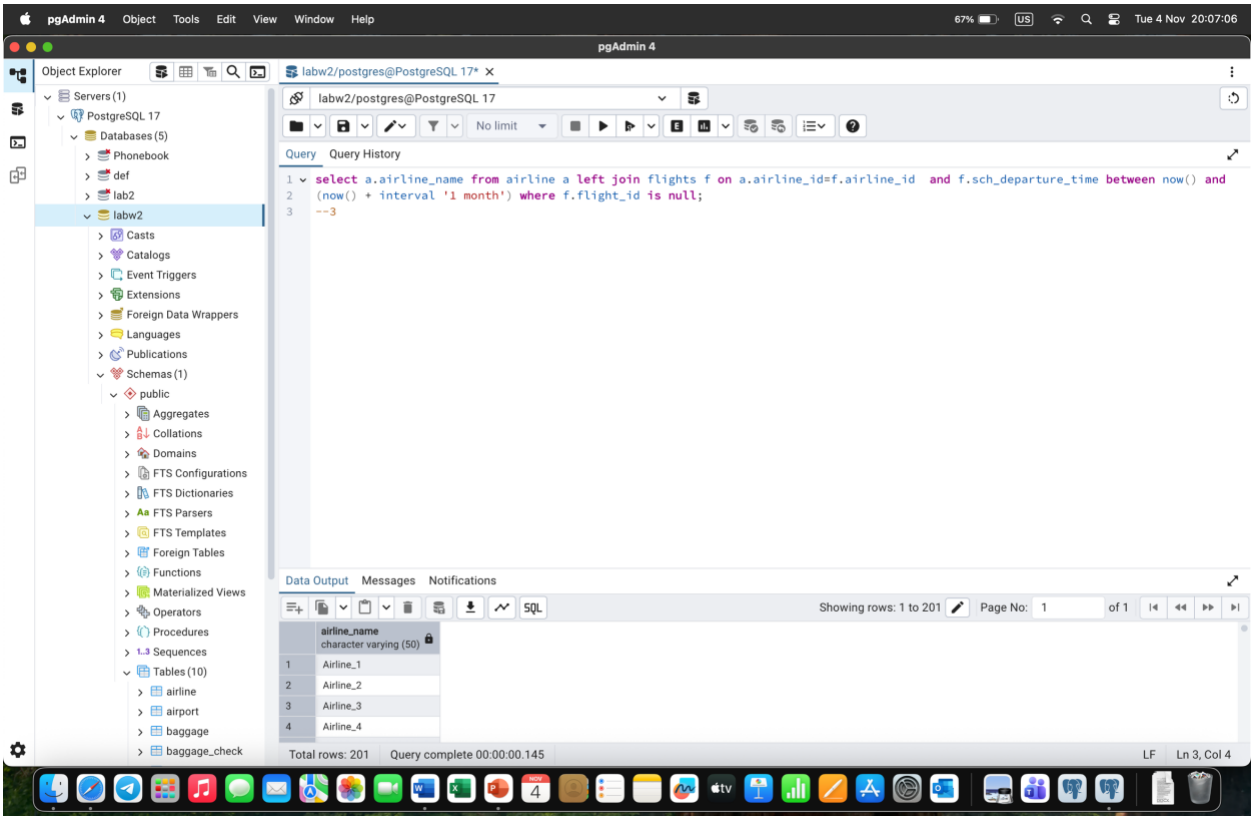
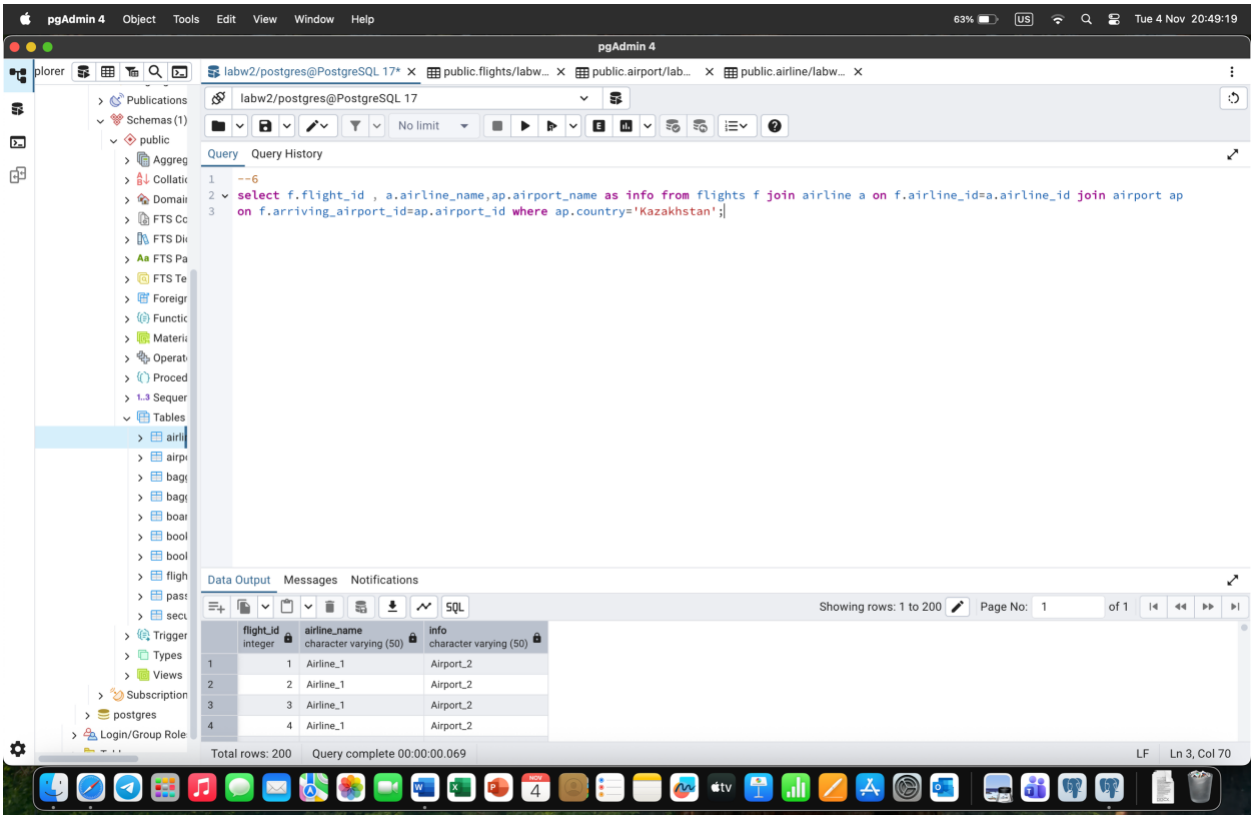
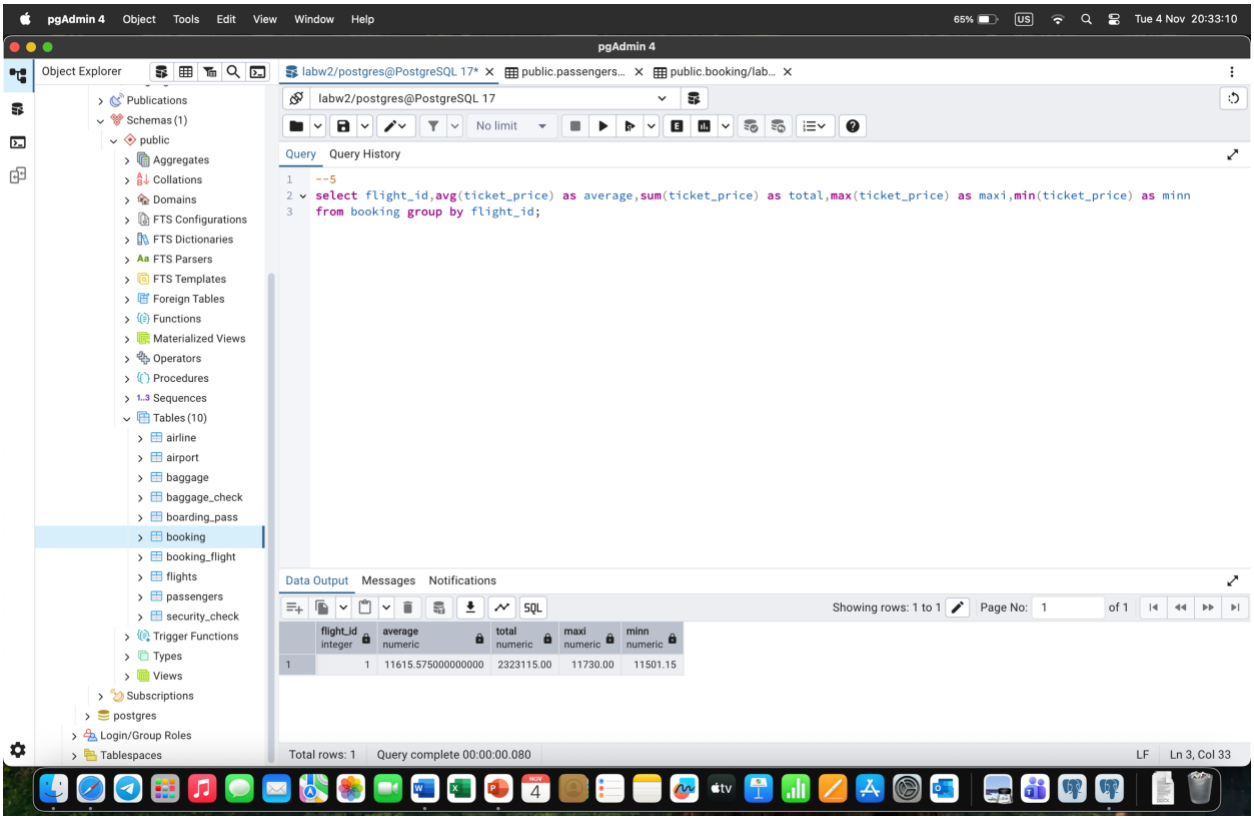

pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.flights/labw...
public.airport/lab...
labw2/postgres@PostgreSQL 17
No limit
Query
Query History
--2
select f.flight_id,d.airport_name as departure_airport,f.sch_departure_time
from flights f join airport d on f.departing_airport_id=d.airport_id;
Data Output
Messages
Notifications
Showing rows: 1 to 200
Page No: 1
of 1
flight_id integer
departure_airport character varying (50)
sch_departure_time timestamp without time zone
1 1 Airport_1 2025-09-28 20:26:13.913134
2 2 Airport_1 2025-09-28 20:26:13.913134
3 3 Airport_1 2025-09-28 20:26:13.913134
4 4 Airport_1 2025-09-28 20:26:13.913134
Total rows: 200
Query complete 00:00:00.069
Ln 4, Col 1

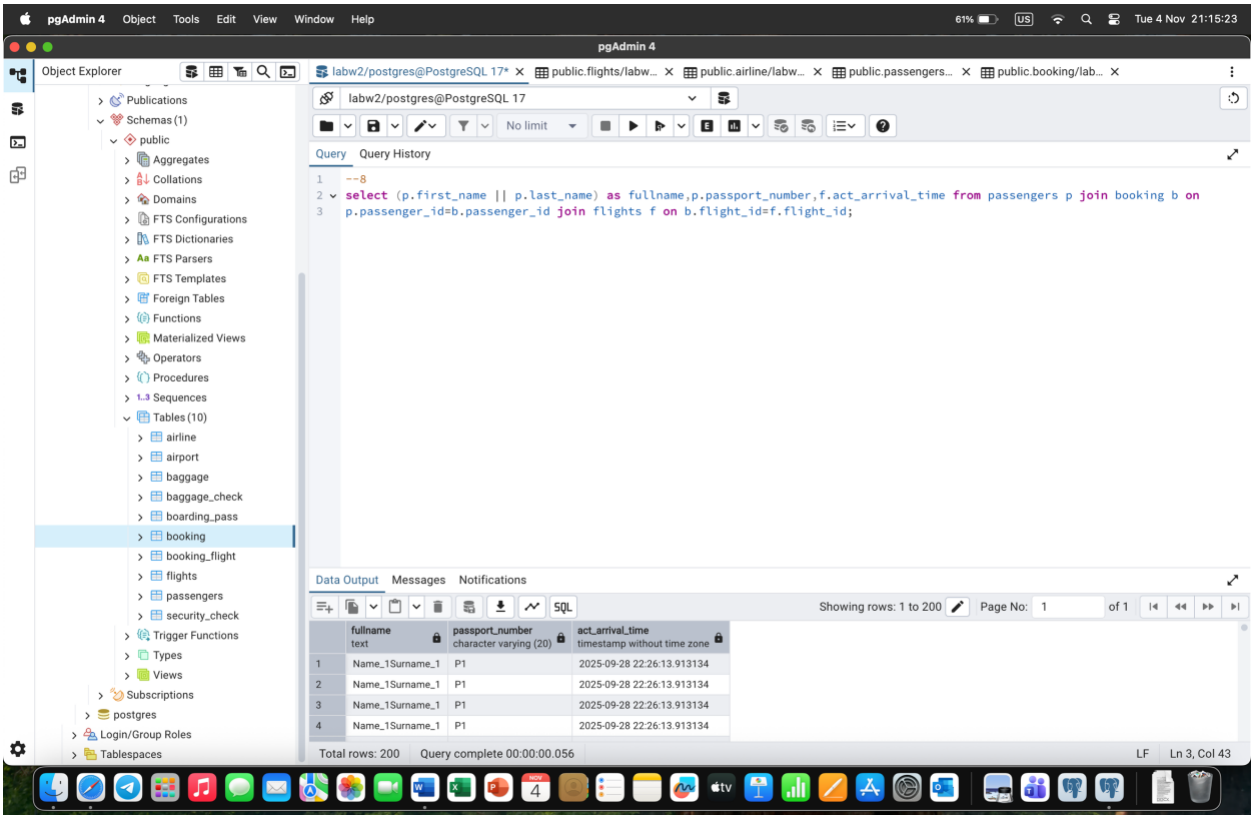

pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.airline/labw...
public.flights/labw...
Query
Query History
select f.flight_id,f.sch_departure_time,f.sch_arrival_time,f.departing_airport_id,
f.arriving_airport_id,a.airline_name
from flights f join airline a on f.airline_id=a.airline_id where a.airline_name='Airline_1';
Data Output
Messages
Notifications
Total rows: 200
Query complete 00:00:00.090
Ln 3, Col 91

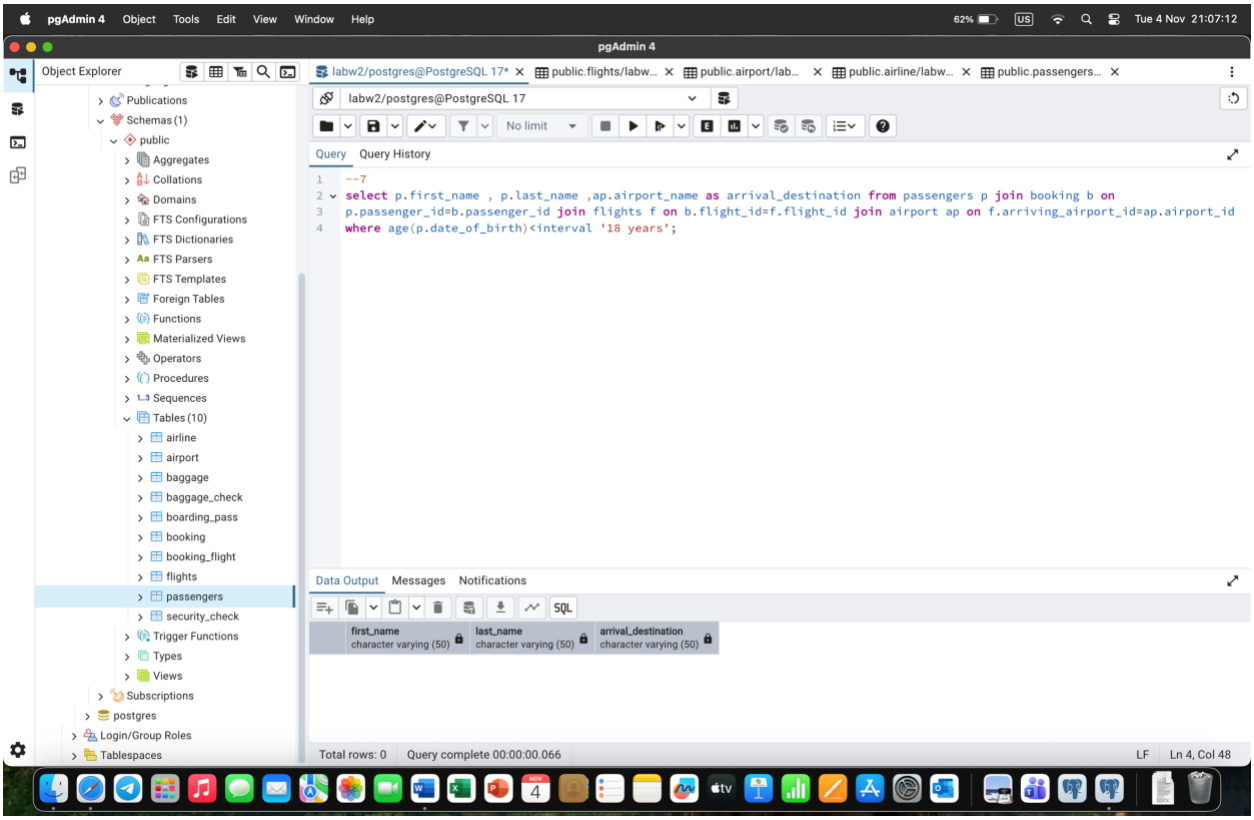

pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.passengers...
public.booking/lab...
Query
Query History
--4
select p.first_name ,p.last_name from passengers p join booking b on p.passenger_id=b.passenger_id where b.flight_id=1;
Data Output
Messages
Notifications
first_name
character varying (50)
last_name
character varying (50)
1 Name_1 Surname_1
2 Name_1 Surname_1
3 Name_1 Surname_1
4 Name_1 Surname_1
Total rows: 200
Query complete 00:00:00.066
Ln 2, Col 120

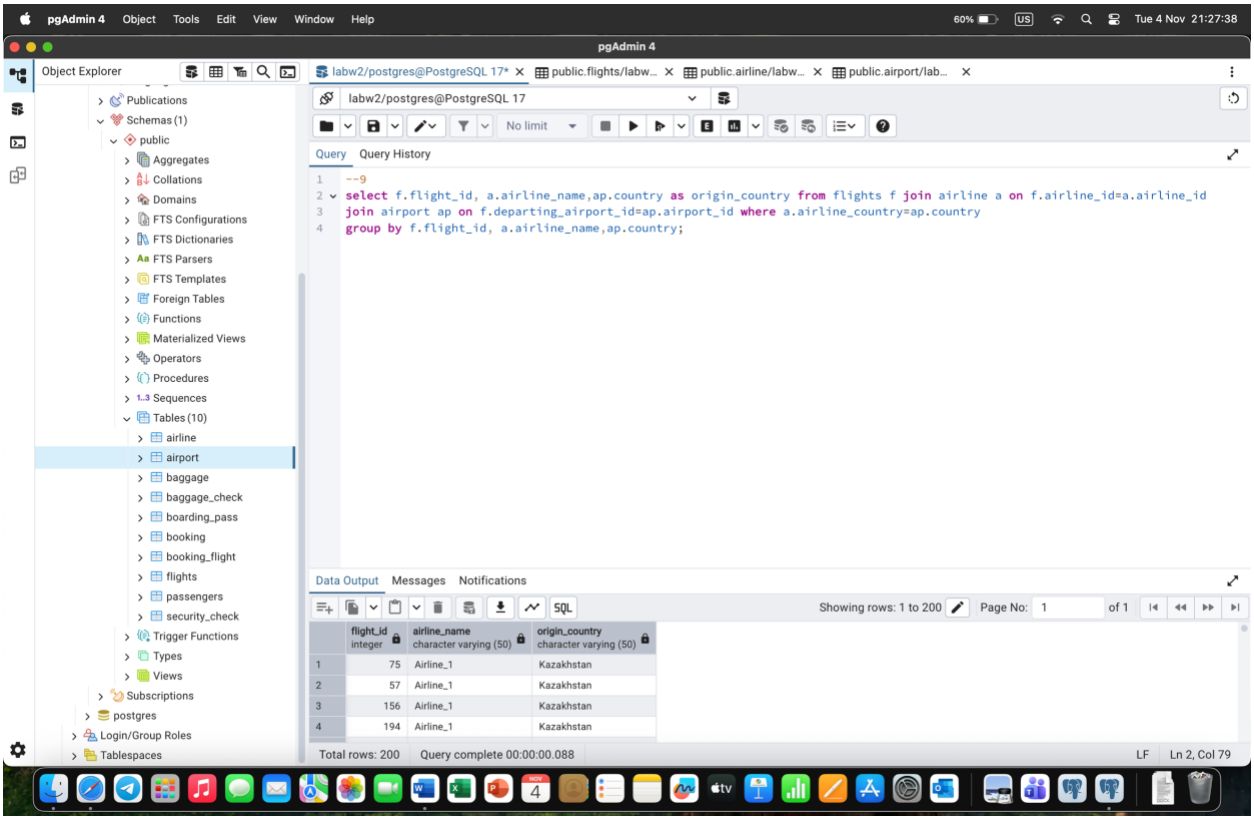

pgAdmin 4
Object Explorer
Servers (1)
PostgreSQL 17
Databases (5)
Phonebook
def
lab2
labw2
Casts
Catalogs
Event Triggers
Extensions
Foreign Data Wrappers
Languages
Publications
Schemas (1)
public
Aggregates
Collations
Domains
FTS Configurations
FTS Dictionaries
FTS Parsers
FTS Templates
Foreign Tables
Functions
Materialized Views
Operators
Procedures
Sequences
Tables (10)
airline
airport
baggage
baggage_check
labw2/postgres@PostgreSQL 17*
labw2/postgres@PostgreSQL 17
No limit
Query
Query History
1 select a.airline_name from airline a left join flights f on a.airline_id=f.airline_id and f.sch_departure_time between now() and
2 (now() + interval '1 month') where f.flight_id is null;
3 --3
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 201
Page No: 1
of 1
airline_name
character varying (50)
1 Airline_1
2 Airline_2
3 Airline_3
4 Airline_4
Total rows: 201
Query complete 00:00:00.145
LF
Ln 3, Col 4


pgAdmin 4
labw2/postgres@PostgreSQL 17
--6
select f.flight_id , a.airline_name,ap.airport_name as info from flights f join airline a on f.airline_id=a.airline_id join airport ap
on f.arriving_airport_id=ap.airport_id where ap.country='Kazakhstan';
Data Output
Messages
Notifications
flight_id integer
airline_name character varying (50)
info character varying (50)
1 1 Airline_1 Airport_2
2 2 Airline_1 Airport_2
3 3 Airline_1 Airport_2
4 4 Airline_1 Airport_2
Total rows: 200
Query complete 00:00:00.069
Ln 3, Col 70


pgAdmin 4 Object Tools Edit View Window Help
65% US Tue 4 Nov 20:33:10
pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.passengers...
public.booking/lab...
labw2/postgres@PostgreSQL 17
No limit
Query
Query History
--5
select flight_id,avg(ticket_price) as average,sum(ticket_price) as total,max(ticket_price) as maxi,min(ticket_price) as minn
from booking group by flight_id;
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
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
Trigger Functions
Types
Views
Subscriptions
postgres
Login/Group Roles
Tablespaces
Data Output
Messages
Notifications
SQL
Showing rows: 1 to 1
Page No: 1
of 1
flight_id integer
average numeric
total numeric
maxi numeric
minn numeric
1 1 11615.575000000000 2323115.00 11730.00 11501.15
Total rows: 1
Query complete 00:00:00.080
LF
Ln 3, Col 33


pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.flights/labw...
public.airline/labw...
public.passengers...
public.booking/lab...
No limit
Query
Query History
--8
select (p.first_name || p.last_name) as fullname,p.passport_number,f.act_arrival_time from passengers p join booking b on
p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id;
Data Output
Messages
Notifications
Showing rows: 1 to 200
Page No: 1
of 1
fullname
text
passport_number
character varying (20)
act_arrival_time
timestamp without time zone
1 Name_1Surname_1 P1 2025-09-28 22:26:13.913134
2 Name_1Surname_1 P1 2025-09-28 22:26:13.913134
3 Name_1Surname_1 P1 2025-09-28 22:26:13.913134
4 Name_1Surname_1 P1 2025-09-28 22:26:13.913134
Total rows: 200
Query complete 00:00:00.056
LF
Ln 3, Col 43


pgAdmin 4 Object Tools Edit View Window Help
62% US Tue 4 Nov 21:07:12
pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.flights/labw...
public.airport/lab...
public.airline/labw...
public.passengers...
labw2/postgres@PostgreSQL 17
No limit
Query
Query History
--7
select p.first_name , p.last_name ,ap.airport_name as arrival_destination from passengers p join booking b on
p.passenger_id=b.passenger_id join flights f on b.flight_id=f.flight_id join airport ap on f.arriving_airport_id=ap.airport_id
where age(p.date_of_birth)<interval '18 years';
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
baggage
baggage_check
boarding_pass
booking
booking_flight
flights
passengers
security_check
Trigger Functions
Types
Views
Subscriptions
postgres
Login/Group Roles
Tablespaces
Data Output
Messages
Notifications
SQL
first_name
character varying (50)
last_name
character varying (50)
arrival_destination
character varying (50)
Total rows: 0
Query complete 00:00:00.066
LF
Ln 4, Col 48


pgAdmin 4
Object Explorer
labw2/postgres@PostgreSQL 17*
public.flights/labw...
public.airline/labw...
public.airport/lab...
Query
Query History
--9
select f.flight_id, a.airline_name,ap.country as origin_country from flights f join airline a on f.airline_id=a.airline_id
join airport ap on f.departing_airport_id=ap.airport_id where a.airline_country=ap.country
group by f.flight_id, a.airline_name,ap.country;
Data Output
Messages
Notifications
flight_id integer
airline_name character varying (50)
origin_country character varying (50)
1 75 Airline_1 Kazakhstan
2 57 Airline_1 Kazakhstan
3 156 Airline_1 Kazakhstan
4 194 Airline_1 Kazakhstan
Total rows: 200
Query complete 00:00:00.088
Ln 2, Col 79