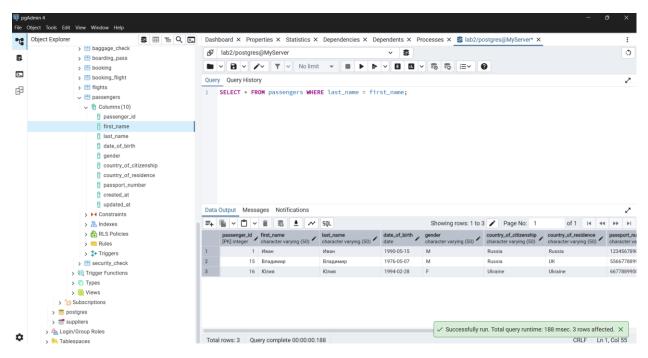
LAB3 Adilet

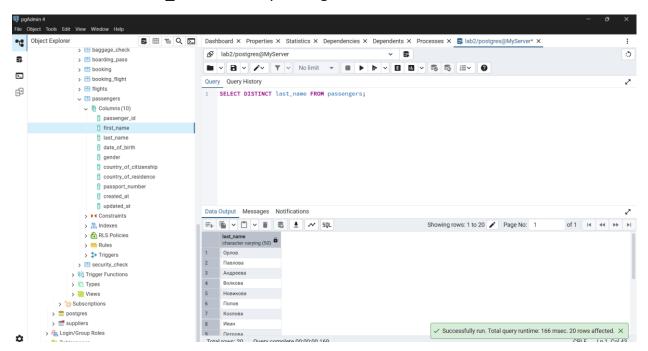
1) Select all the data of passengers whose last name is same as first name.

SELECT * FROM passengers WHERE last_name = first_name;



2) Select the last name of all passangers without duplicates.

SELECT DISTINCT last_name FROM passengers;

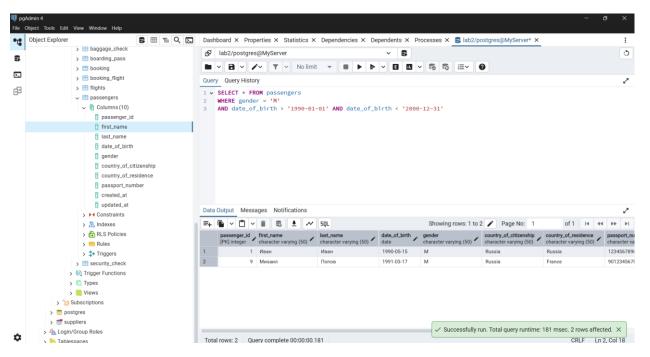


3) Find all male passengers born between 1990 and 2000.

SELECT * FROM passengers

WHERE gender = 'M'

AND date_of_birth > '1990-01-01' AND date_of_birth < '2000-12-31'



4) Find price of tickets sold for each month in sorted way.

SELECT

EXTRACT(YEAR FROM purchase_date) AS year,

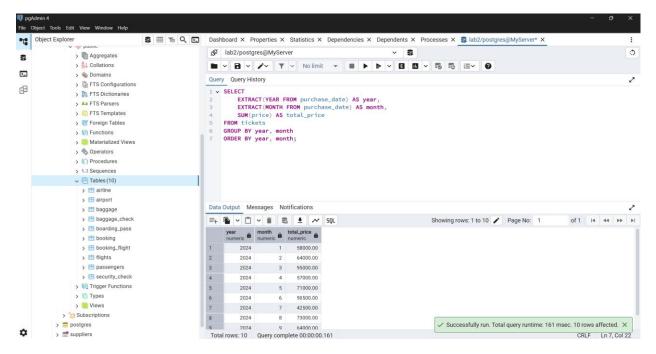
EXTRACT(MONTH FROM purchase_date) AS month,

SUM(price) AS total_price

FROM tickets

GROUP BY year, month

ORDER BY year, month;

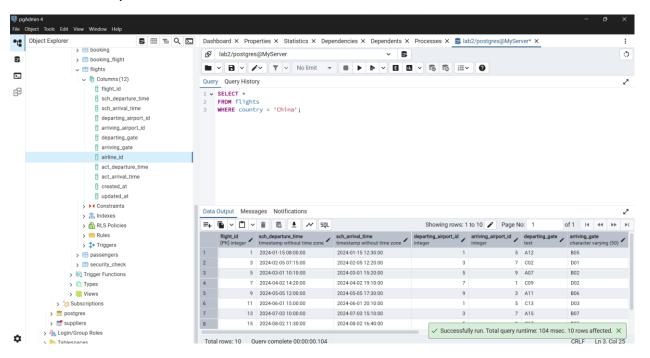


5) Create a query that shows all flights flying to 'China'.

SELECT *

FROM flights

WHERE country = 'China';



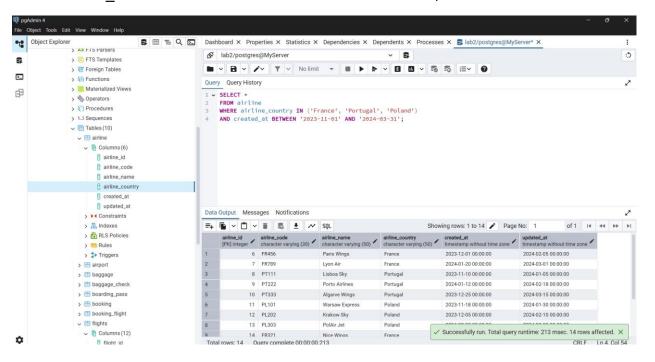
6) Show airlines from any of: ('France','Portugal','Poland') created between '2023-11-01' and '2024-03-31'.

SELECT *

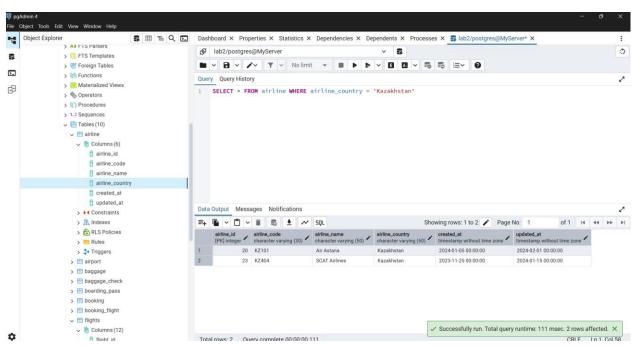
FROM airline

WHERE airline_country IN ('France', 'Portugal', 'Poland')

AND created_at BETWEEN '2023-11-01' AND '2024-03-31';



7) Find all airline names based in Kazakhstan.

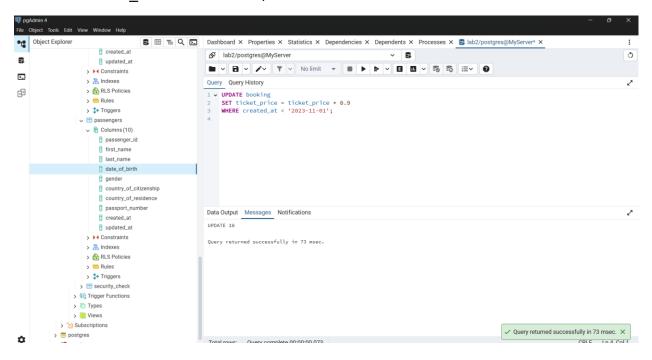


8) Reduce the cost of booking price by 10% created before '11-01-2023'.

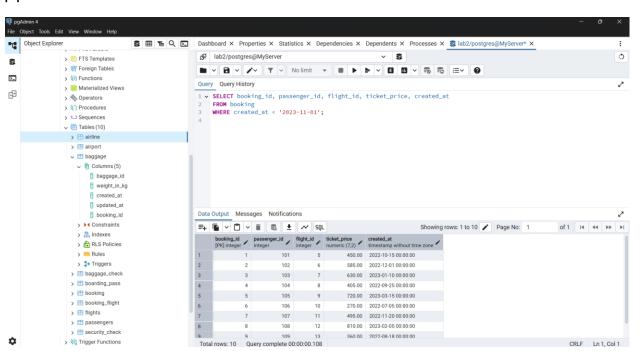
UPDATE booking

SET ticket_price = ticket_price * 0.9

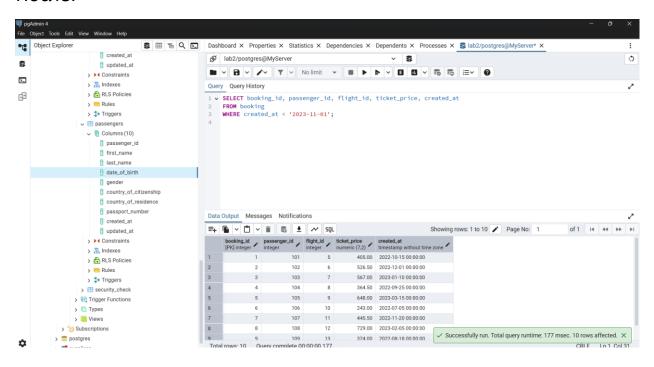
WHERE created_at < '2023-11-01';



До:



После:



9) Find top3 overweighted baggage with more than 25kg.

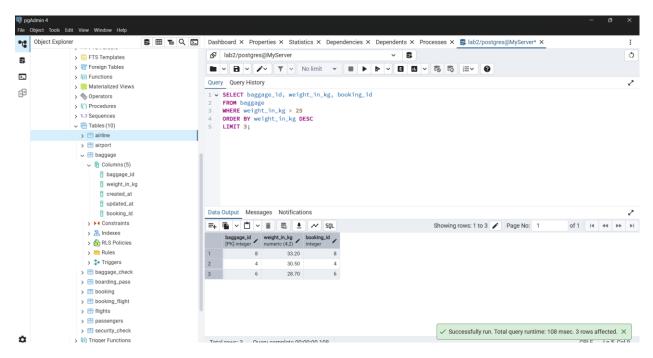
SELECT baggage_id, weight_in_kg, booking_id

FROM baggage

WHERE weight_in_kg > 25

ORDER BY weight_in_kg DESC

LIMIT 3;



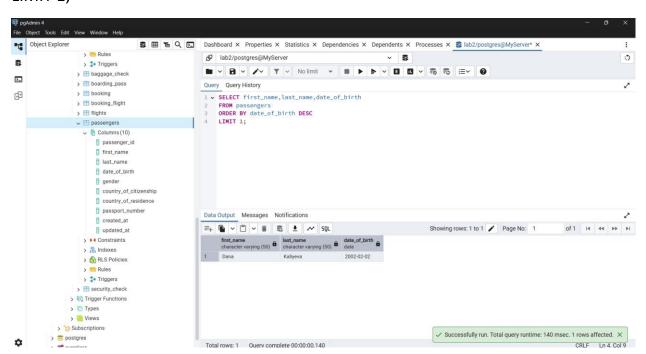
10) Find the youngest passengers' full name.

SELECT first name, last name, date of birth

FROM passengers

ORDER BY date_of_birth DESC

LIMIT 1;

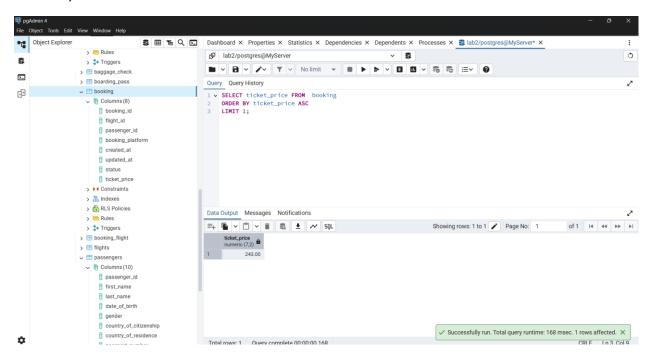


11) Find the cheapest booking price on each booking platform.

SELECT ticket_price FROM booking

ORDER BY ticket price ASC

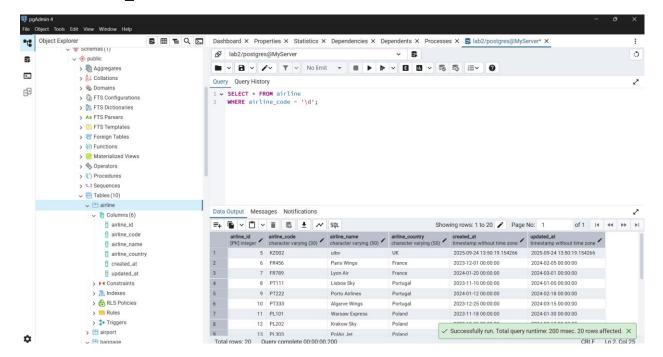
LIMIT 1;



12) Return airlines whose airline_code contains a digit.

SELECT * FROM airline

WHERE airline code ~ '\d';

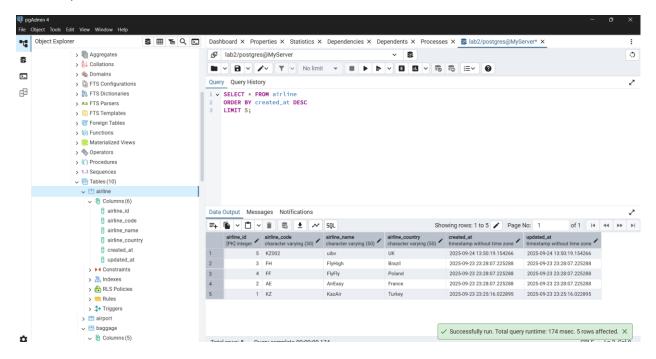


13) List the top5 most recently created airlines.

SELECT * FROM airline

ORDER BY created at DESC

LIMIT 5;

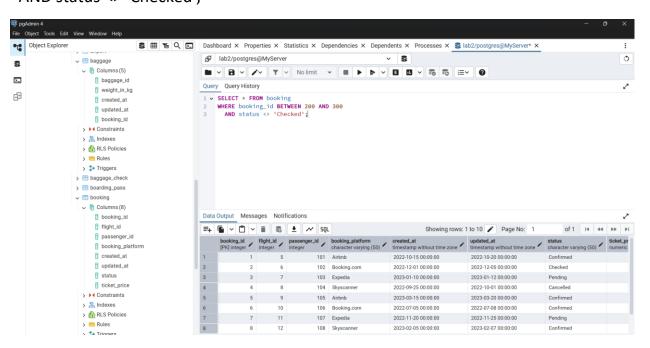


14) Return all rows where booking_id is between 200 and 300 inclusive and check_result <> 'Checked'.

SELECT * FROM booking

WHERE booking_id BETWEEN 200 AND 300

AND status <> 'Checked';

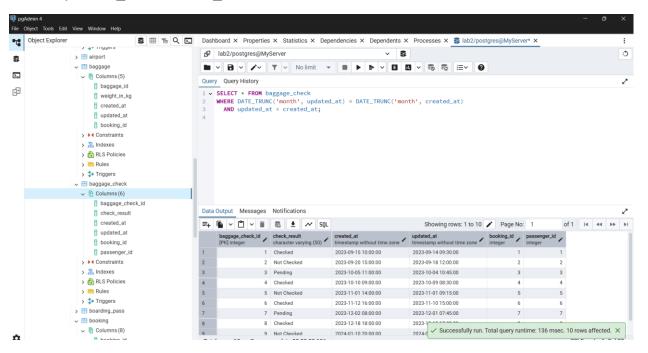


15) Baggage checks where update_at is in the same month as created_at but occurs earlier than created_at.

SELECT * FROM baggage_check

WHERE DATE_TRUNC('month', updated_at) = DATE_TRUNC('month', created_at)

AND updated_at < created_at;



ended