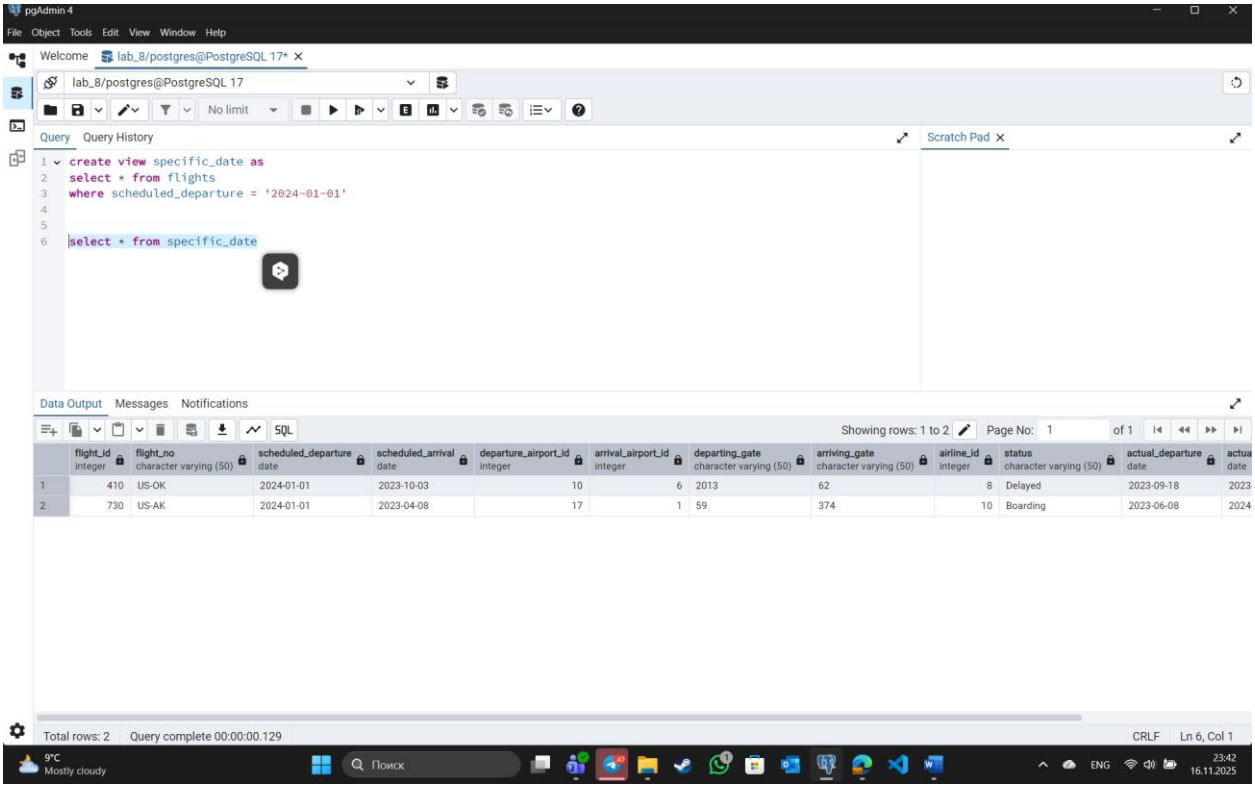
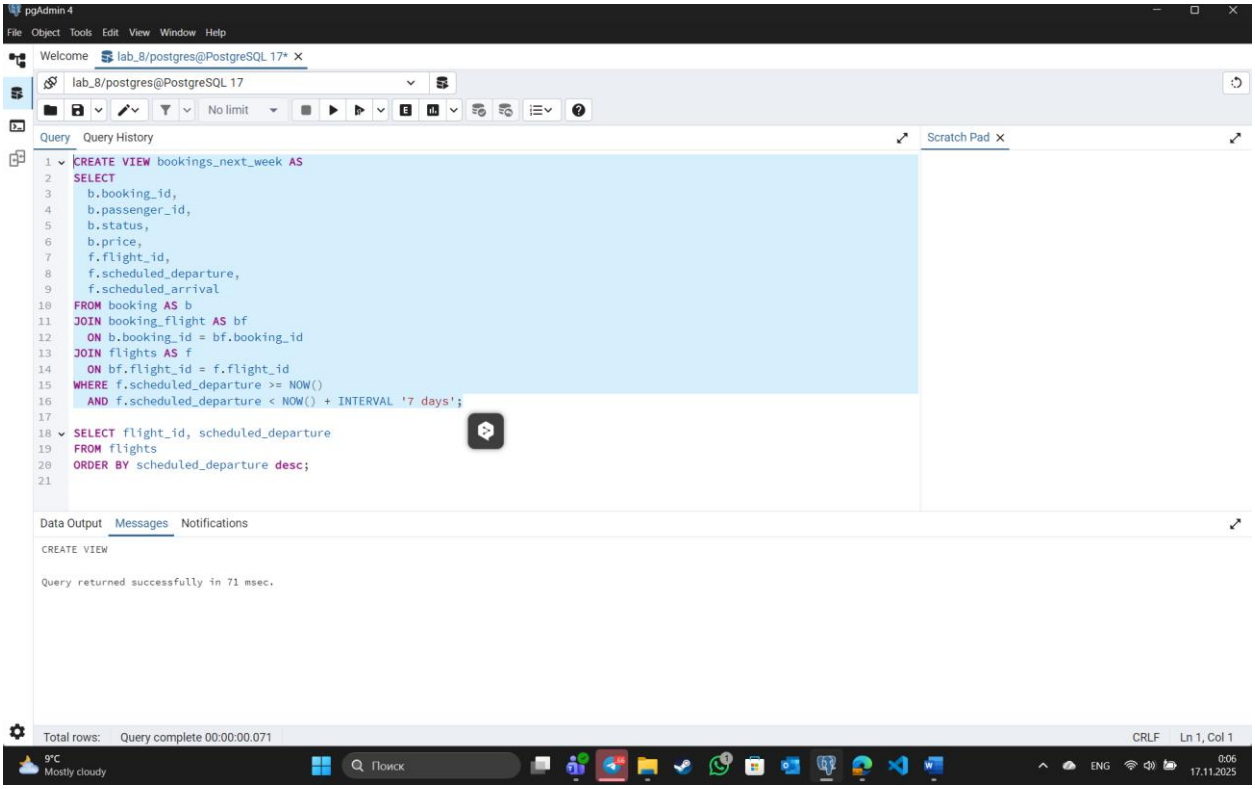
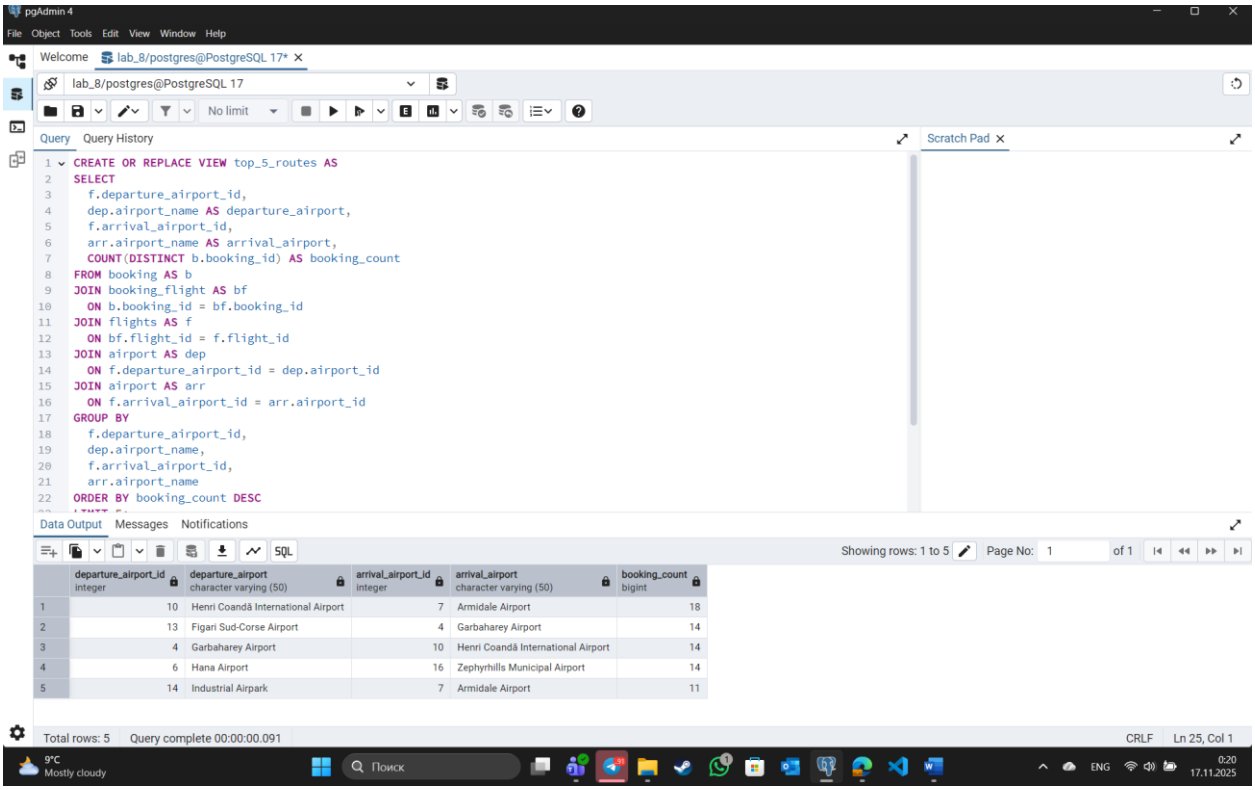
1. Create a view to show details of all flights that are departing on a specific date.



2. Create a view that shows bookings for flights scheduled to depart within the next week.



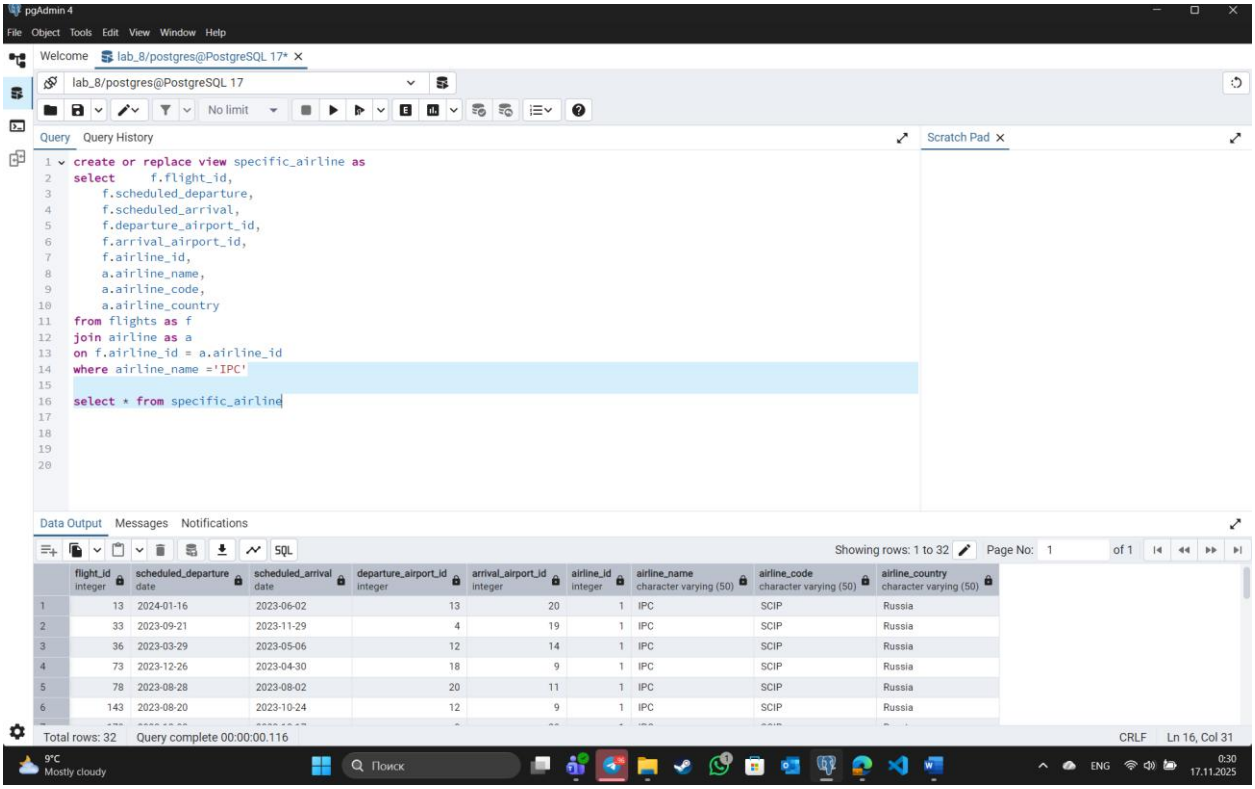
3. Create a view to show the top 5 most popular flight routes based on the number of bookings



```
CREATE OR REPLACE VIEW top_5_routes AS
SELECT
  f.departure_airport_id,
  dep.airport_name AS departure_airport,
  f.arrival_airport_id,
  arr.airport_name AS arrival_airport,
  COUNT(DISTINCT b.booking_id) AS booking_count
FROM booking AS b
JOIN booking_flight AS bf
  ON b.booking_id = bf.booking_id
JOIN flights AS f
  ON bf.flight_id = f.flight_id
JOIN airport AS dep
  ON f.departure_airport_id = dep.airport_id
JOIN airport AS arr
  ON f.arrival_airport_id = arr.airport_id
GROUP BY
  f.departure_airport_id,
  dep.airport_name,
  f.arrival_airport_id,
  arr.airport_name
ORDER BY booking_count DESC
```

	departure_airport_id integer	departure_airport character varying (50)	arrival_airport_id integer	arrival_airport character varying (50)	booking_count bigint
1	10	Henri Coandă International Airport	7	Armidale Airport	18
2	13	Figari Sud-Corse Airport	4	Garbaharey Airport	14
3	4	Garbaharey Airport	10	Henri Coandă International Airport	14
4	6	Hana Airport	16	Zephyrhills Municipal Airport	14
5	14	Industrial Airpark	7	Armidale Airport	11

4. Create a view that lists all flights for a specific airline.



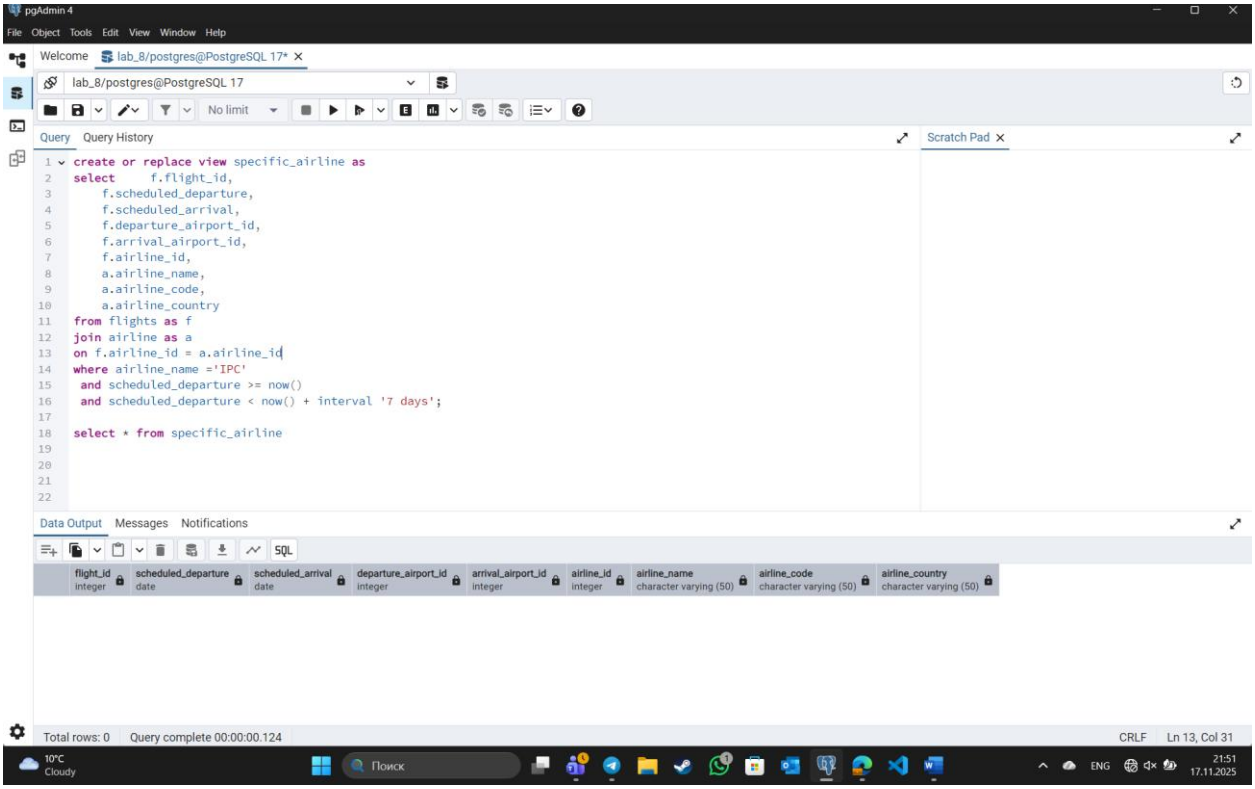
```
create or replace view specific_airline as
select     f.flight_id,
    f.scheduled_departure,
    f.scheduled_arrival,
    f.departure_airport_id,
    f.arrival_airport_id,
    f.airline_id,
    a.airline_name,
    a.airline_code,
    a.airline_country
from flights as f
join airline as a
on f.airline_id = a.airline_id
where airline_name ='IPC'

select * from specific_airline
```

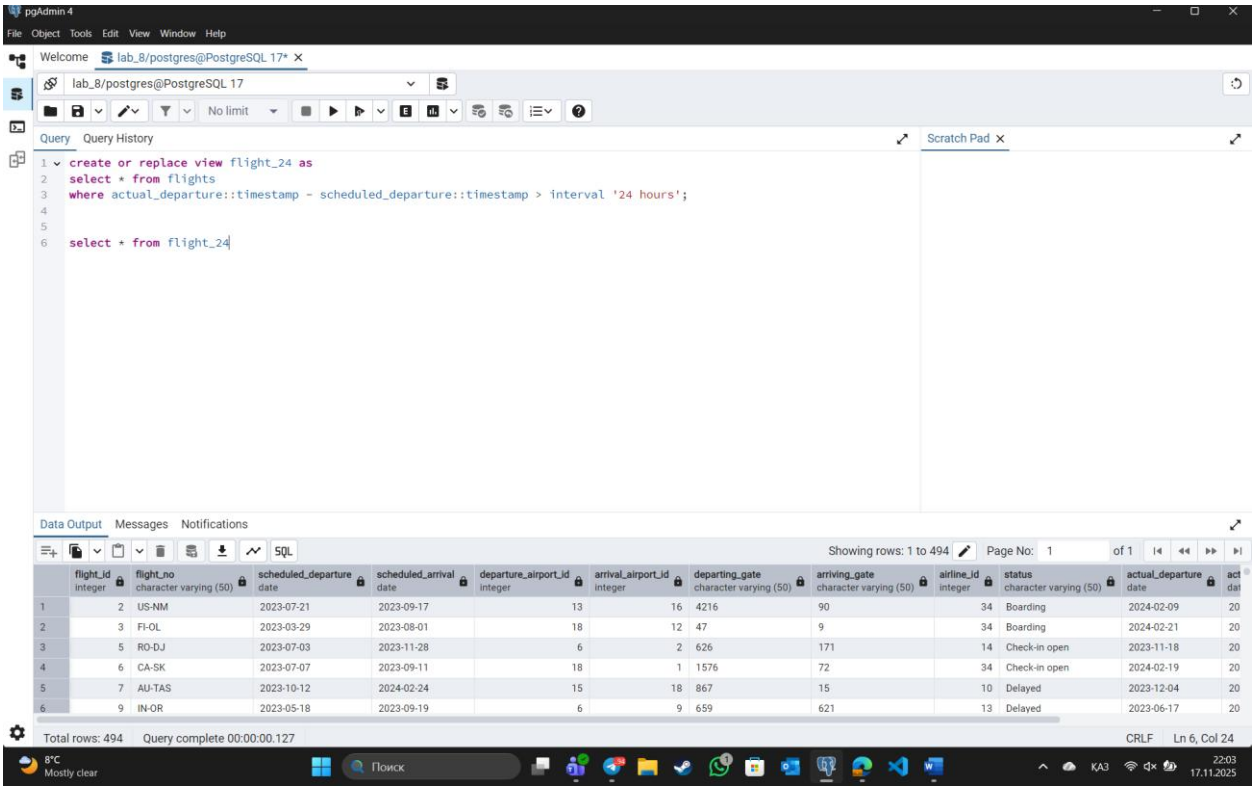
	flight_id integer	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	airline_id integer	airline_name character varying (50)	airline_code character varying (50)	airline_country character varying (50)
1	13	2024-01-16	2023-06-02	13	20	1	IPC	SCIP	Russia
2	33	2023-09-21	2023-11-29	4	19	1	IPC	SCIP	Russia
3	36	2023-03-29	2023-05-06	12	14	1	IPC	SCIP	Russia
4	73	2023-12-26	2023-04-30	18	9	1	IPC	SCIP	Russia
5	78	2023-08-28	2023-08-02	20	11	1	IPC	SCIP	Russia
6	143	2023-08-20	2023-10-24	12	9	1	IPC	SCIP	Russia

5. Modify the view created in task 4 to show only flights departing within the next 7 days for a specific airline.

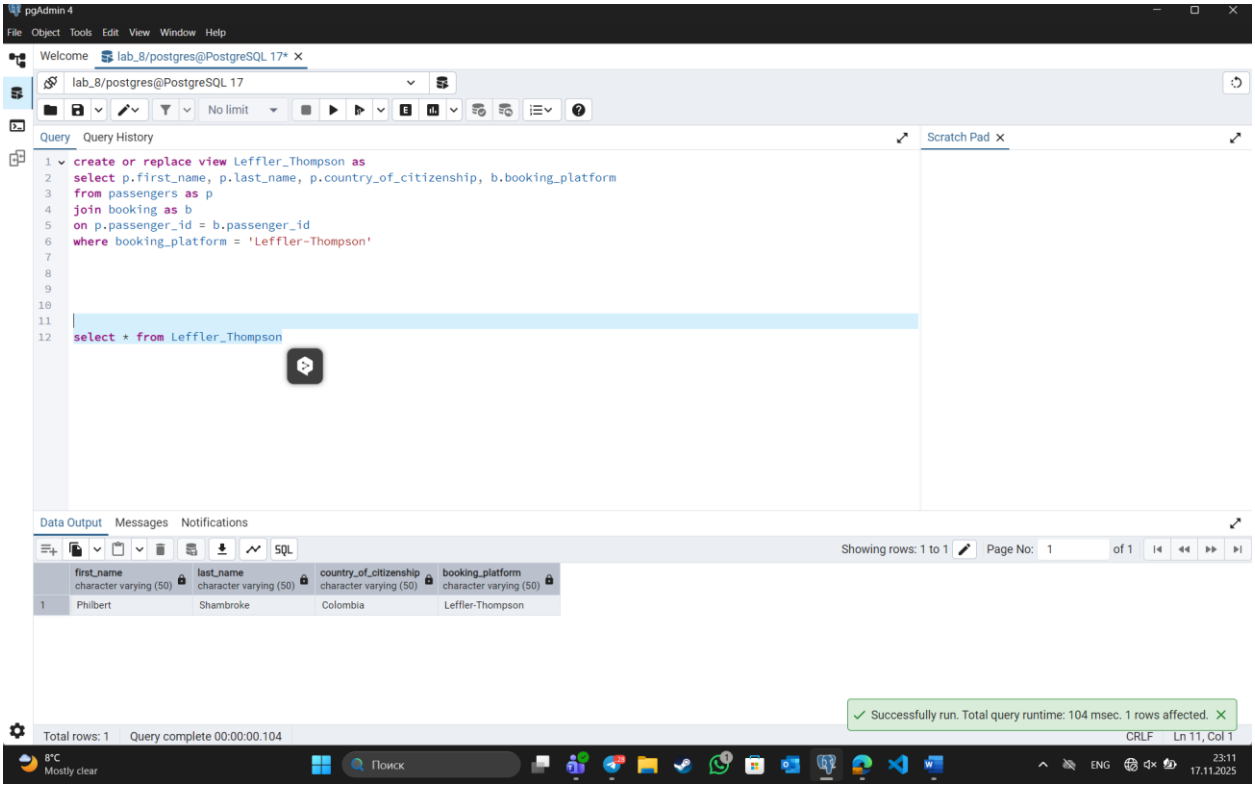
-



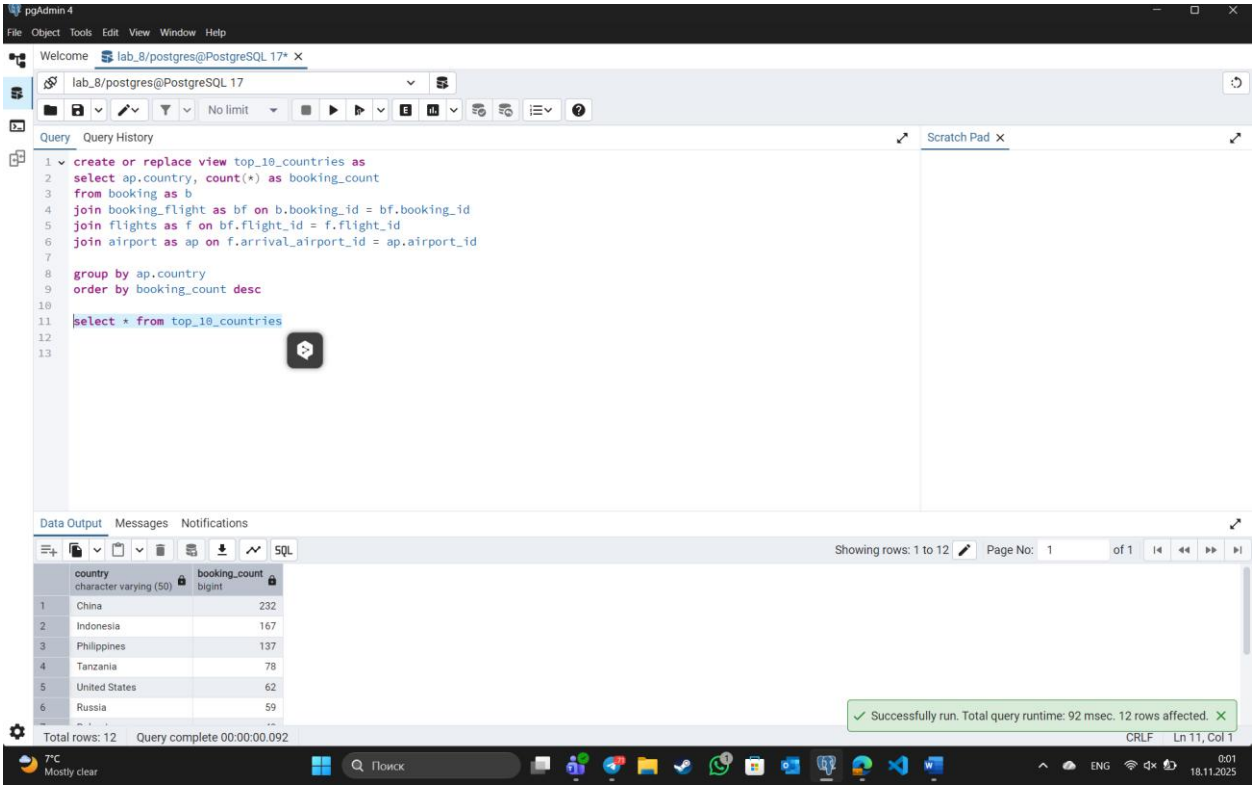
6.Create a view to show flights that are delayed by more than 24 hours.



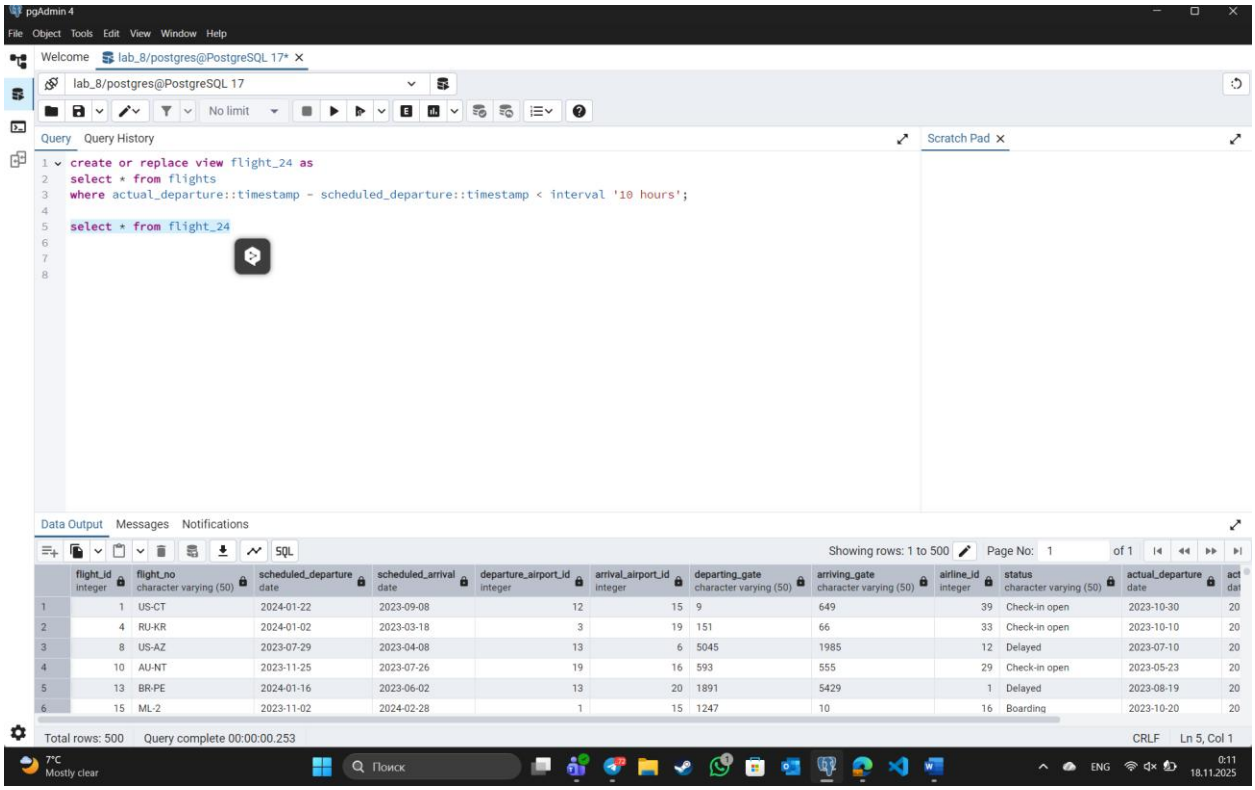
7. Create a view in which you can display the full name and country of origin of passengers who made bookings on Leffler-Thompson platform. Then show the list of that passengers.



8 Create a view that shows top 10 most visited countries.



9 Update any of the created views by adding new information in the view table. Show results.



6. Drop all existing views.