Используя SQL языки произвольные две таблицы из модели данных необходимо объединить их различными способами (UNION, JOIN)

select ticket\_no,

flight\_id :: text,

fare\_conditions

from bookings.ticket\_flights

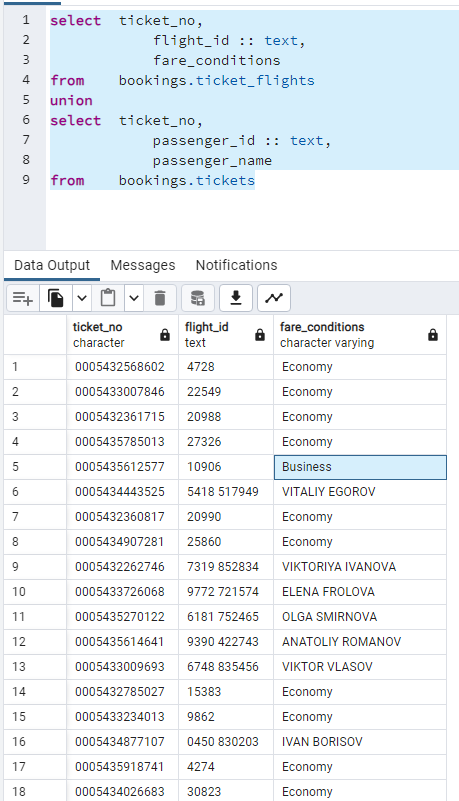
union

select ticket\_no,

passenger\_id :: text,

passenger\_name

from bookings.tickets



select bookings.ticket\_flights.\*,

tickets.book\_ref,

passenger\_id,

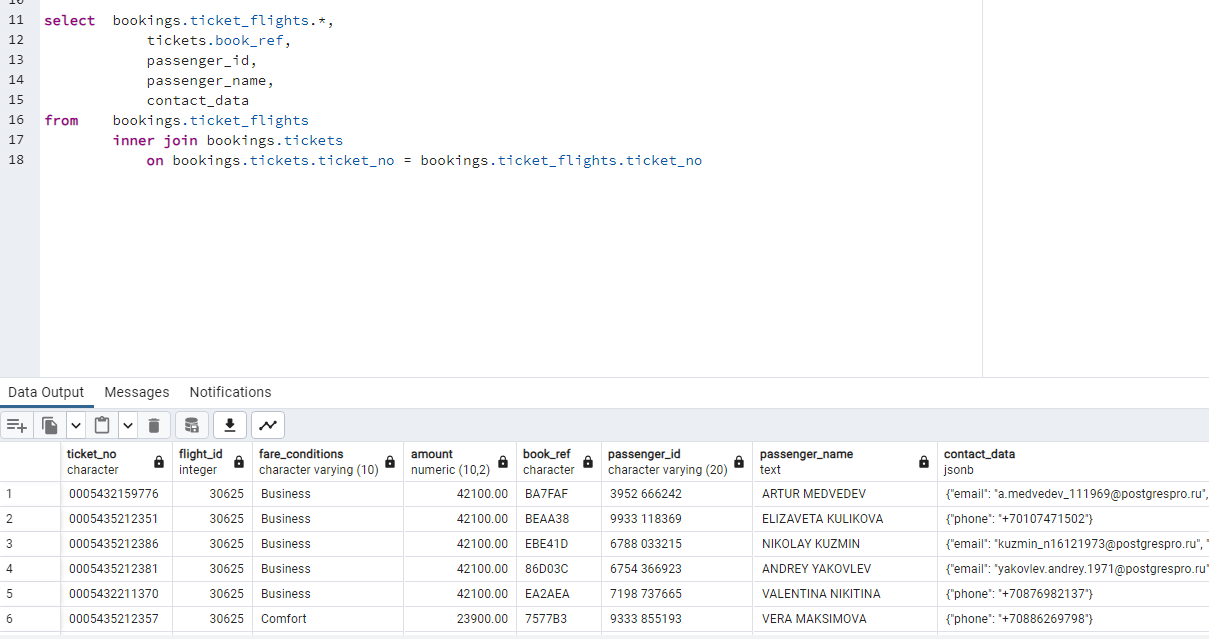
passenger\_name,

contact\_data

from bookings.ticket\_flights

inner join bookings.tickets

on bookings.tickets.ticket\_no = bookings.ticket\_flights.ticket\_no



Используя SQL язык напишите запрос с любым фильтром WHERE к произвольной таблице и результат отсортируйте (ORDER BY) с ограничением вывода по количеству строк (LIMIT)

select ticket\_no,

flight\_id,

fare\_conditions,

amount

from bookings.ticket\_flights

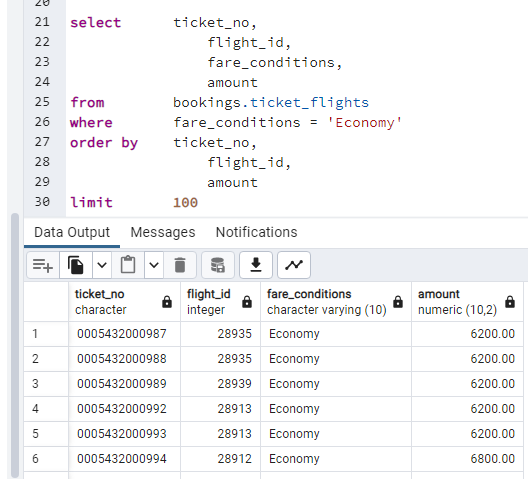
where fare\_conditions = 'Economy'

order by ticket\_no,

flight\_id,

amount

limit 100



Используя SQL язык напишите OLAP запрос к произвольной связке таблиц (в рамках JOIN оператора), используя оператор GROUP BY и любые агрегатные функции count, min, max, sum.

select flight\_no,

fare\_conditions,

min(amount),

max(amount)

from bookings.ticket\_flights

inner join

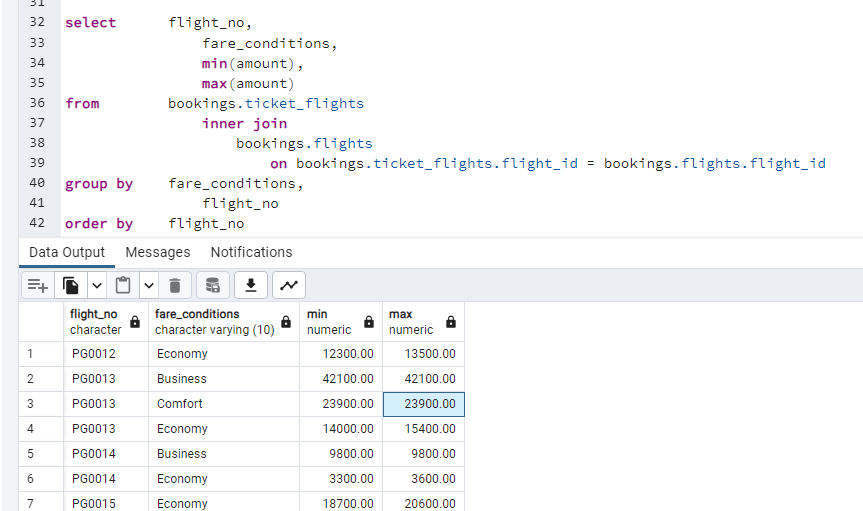
bookings.flights

on bookings.ticket\_flights.flight\_id = bookings.flights.flight\_id

group by fare\_conditions,

flight\_no

order by flight\_no



select flight\_no,

scheduled\_departure,

scheduled\_arrival,

departure\_airport,

arrival\_airport,

count(bookings.boarding\_passes.ticket\_no),

sum(amount)

from bookings.flights

inner join

bookings.boarding\_passes

on bookings.flights.flight\_id = bookings.boarding\_passes.flight\_id

inner join

bookings.ticket\_flights

on bookings.ticket\_flights.flight\_id = bookings.flights.flight\_id

and bookings.ticket\_flights.ticket\_no = bookings.boarding\_passes.ticket\_no

group by flight\_no,

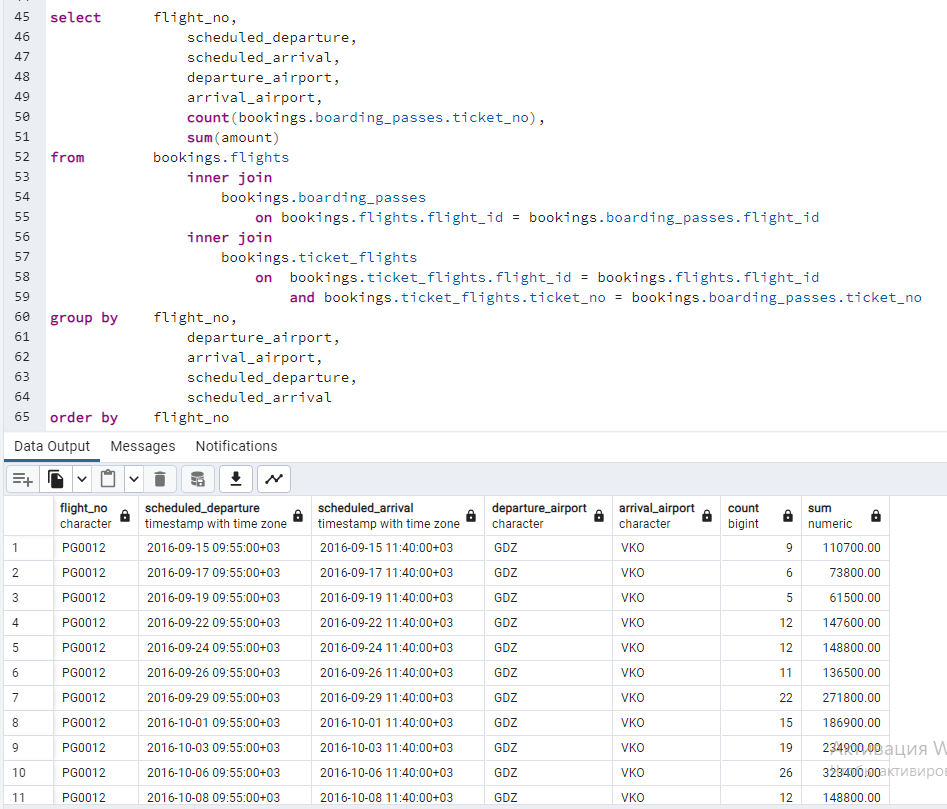
departure\_airport,

arrival\_airport,

scheduled\_departure,

scheduled\_arrival

order by flight\_no



select distinct

bookings.aircrafts.aircraft\_code,

model,

arrival\_airport

from bookings.aircrafts

left join bookings.flights

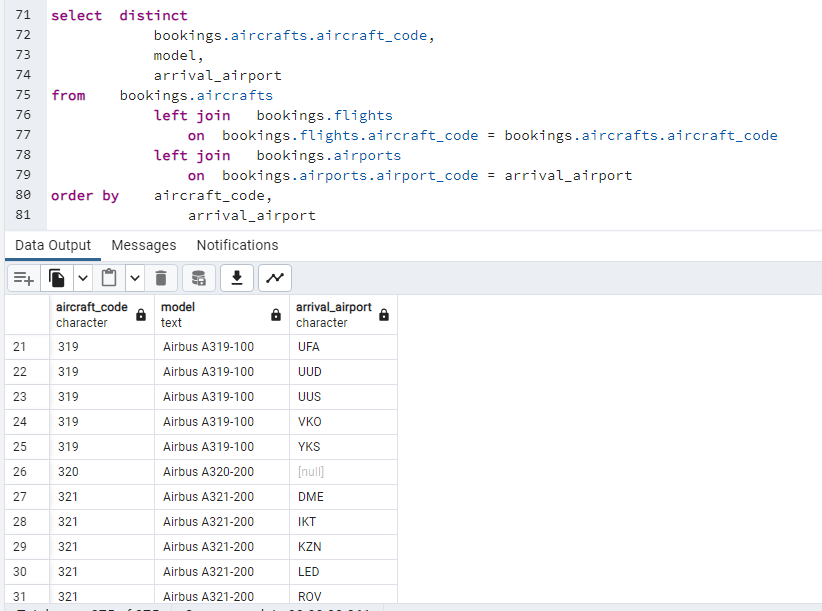
on bookings.flights.aircraft\_code = bookings.aircrafts.aircraft\_code

left join bookings.airports

on bookings.airports.airport\_code = arrival\_airport

order by aircraft\_code,

arrival\_airport



create view bookings.V\_bookings

as

select ticket\_no,

flight\_id,

fare\_conditions,

amount

from bookings.ticket\_flights

where fare\_conditions = 'Economy'

order by ticket\_no,

flight\_id,

amount

limit 100

select \*

from bookings.V\_bookings

Изображение выглядит как текст, снимок экрана, число, Шрифт

Автоматически созданное описание

Используя язык программирования Python, создайте Python-скрипт для вывода данных на экран (в консоль или IDE) из задания 5)

