```sql
select airport_name ->> 'ru' as name
from airports_data
except
select city ->> 'ru'
from airports_data
order by name;
```

Output | name

38 rows

	name
1	Байкал
2	Баратаевка
3	Бегишево
4	Беслан
5	Бесовец
6	Богашёво
7	Витязево

```sql
select airport_name ->> 'ru' as name
from airports_data
intersect
select city ->> 'ru'
from airports_data
order by name;
```

Output | name

66 rows

	name
1	Абакан
2	Анадырь
3	Астрахань
4	Барнаул
5	Белгород

```sql
select aircraft_code, count(*) as flights_num
from flights
where departure_airport = 'KZN'
  and extract(year from scheduled_departure) = 2017
  and extract(month from scheduled_departure) = 8
group by aircraft_code
having count(*) > 50
order by flights_num desc, aircraft_code;
```

Output | Result 7

3 rows

aircraft_code	flights_num
CN1	62
SU9	62
CR2	54

```sql
select *
from flights
        inner join ticket_flights tf on flights.flight_id = tf.flight_id
        inner join tickets on tf.ticket_no = tickets.ticket_no
        inner join bookings on tickets.book_ref = bookings.book_ref
        inner join boarding_passes
                on tf.ticket_no = boarding_passes.ticket_no and tf.flight_id = boarding_passes.flight_id
        inner join aircrafts_data ad on flights.aircraft_code = ad.aircraft_code
        inner join seats on ad.aircraft_code = seats.aircraft_code
        inner join airports_data on flights.departure_airport = airports_data.airport_code;
```

Output | Result 8

1-500 of 501+

flights.flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airp
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER
30625	PG0013	2017-07-16 15:15:00.000000 +00:00	2017-07-16 17:00:00.000000 +00:00	AER

```sql
select flights.flight_id
from ticket_flights
        right join flights on flights.flight_id = ticket_flights.flight_id
where ticket_flights.ticket_no is null;
```

Output | demo.bookings.flights

1-500 of 501+

	flight_id
1	12267
2	28365
3	23772
4	8533
5	12377
6	21905

```sql
select flights.flight_no, sum(ticket_flights.amount) as amount
from ticket_flights
        join flights on ticket_flights.flight_id = flights.flight_id
where extract(year from scheduled_departure) = 2017
  and extract(month from scheduled_departure) = 8
group by flights.flight_no
order by amount desc;
```

Output | Result 13

472 rows

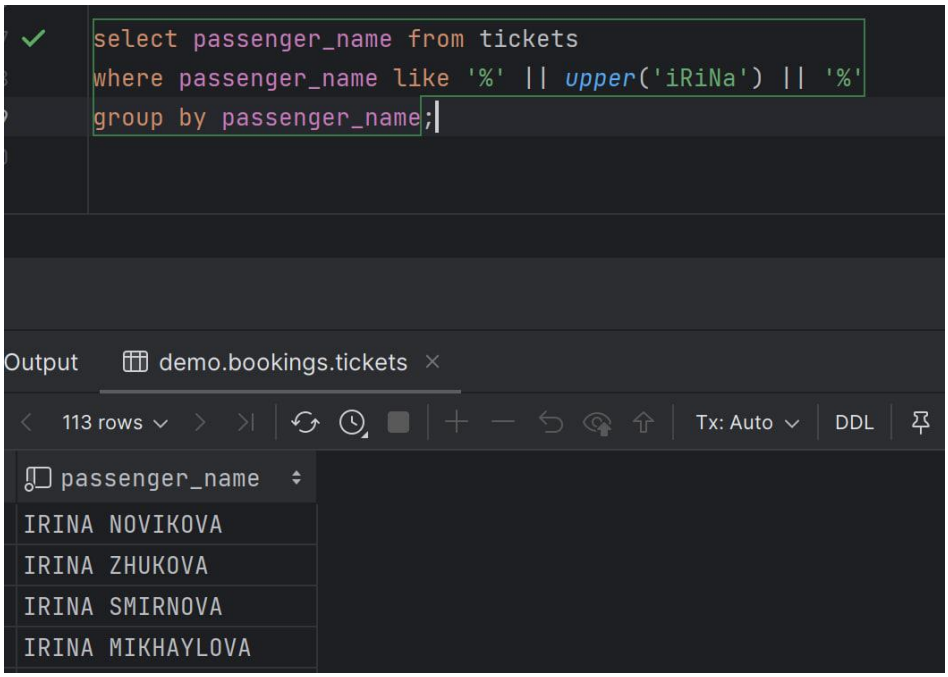
	flight_no	amount
1	PG0208	490338600
2	PG0209	480332200
3	PG0222	356857100
4	PG0223	348201000
5	PG0357	331505300
6	PG0356	307950500
7	PG0277	294280000

```sql
select flights.flight_no,
       sum(case when extract(month from scheduled_departure) = 8 then ticket_flights.amount else 0 end) as august,
       sum(case when extract(month from scheduled_departure) = 9 then ticket_flights.amount else 0 end) as september
from flights
        join ticket_flights on ticket_flights.flight_id = flights.flight_id
where extract(year from scheduled_departure) = 2017
group by flights.flight_no
order by august desc, september desc, flight_no;
```

Output | Result 17

483 rows | CSV

flight_no	august	september
PG0208	490338600	51378300
PG0209	480332200	89546000
PG0222	356857100	38532200
PG0223	348201000	63801500
PG0357	331505300	83622200
PG0356	307950500	50770600


select passenger_name from tickets
where passenger_name like '%' || upper('iRiNa') || '%'
group by passenger_name;
Output
demo.bookings.tickets
113 rows
Tx: Auto
DDL
passenger_name
IRINA NOVIKOVA
IRINA ZHUKOVA
IRINA SMIRNOVA
IRINA MIKHAYLOVA