```sql
SELECT airport_name->>'ru' AS airport_name
FROM airports_data
EXCEPT
SELECT city->>'ru' AS city_name
FROM airports_data
ORDER BY airport_name;
```

⊡ Output   ⊞ airport_name ×

|< < 38 rows ∨ > >| ↻ ◔ ▪ | ⊼

	airport_name ⇅
1	Байкал
2	Баратаевка
3	Бегишево
4	Беслан
5	Бесовец
6	Богашёво
7	Витязево
8	Внуково
9	Гумрак
10	Домодедово
11	Донское
12	Елизово
13	Емельяново
14	Иваново-Южный
15	Игнатьево
16	Кольцово
17	Курск-Восточный
18	Курумоч
19	Омск-Центральный
20	Оренбург-Центральный
21	Победилово
22	Полярный
23	Пулково
24	Рощино
25	Саратов-Центральный
26	Спиченково

```sql
SELECT airport_name->>'ru' AS airport_name
FROM airports_data
INTERSECT
SELECT city->>'ru' AS city_name
FROM airports_data
ORDER BY airport_name;
```

Output · ⊞ airport_name ×

|< < 66 rows ∨ > >| ↻ ◷ ■ | ⊼

	▯ airport_name ⬍
1	Абакан
2	Анадырь
3	Астрахань
4	Барнаул
5	Белгород
6	Белоярский
7	Братск
8	Брянск
9	Бугульма
10	Владивосток
11	Воркута
12	Воронеж
13	Геленджик
14	Горно-Алтайск
15	Грозный
16	Ижевск
17	Иркутск
18	Йошкар-Ола
19	Казань
20	Калуга
21	Кемерово
22	Когалым
23	Краснодар
24	Курган
25	Кызыл
26	Липецк

```sql
--3
SELECT ad.model->>'ru' AS aircraft_type, COUNT(*) AS flights_count
FROM flights f
JOIN aircrafts_data AS ad ON f.aircraft_code = ad.aircraft_code
WHERE departure_airport = 'KZN' AND EXTRACT(MONTH FROM f.scheduled_departure) = 8 AND EXTRACT(YEAR FROM f.scheduled_departure) = 2017
GROUP BY aircraft_type
HAVING COUNT(*) > 50
ORDER BY aircraft_type, flights_count ;
```

Output — Result 82

3 rows

aircraft_type	flights_count
Бомбардье CRJ-200	54
Сессна 208 Караван	62
Сухой Суперджет-100	62

```sql
--4
SELECT *
FROM flights
INNER JOIN aircrafts_data ON flights.aircraft_code = aircrafts_data.aircraft_code
INNER JOIN seats ON flights.aircraft_code = seats.aircraft_code
INNER JOIN airports_data AS departure_airport ON flights.departure_airport = departure_airport.airport_code
INNER JOIN airports_data AS arrival_airport ON flights.arrival_airport = arrival_airport.airport_code
INNER JOIN ticket_flights ON flights.flight_id = ticket_flights.flight_id
INNER JOIN boarding_passes ON ticket_flights.ticket_no = boarding_passes.ticket_no AND ticket_flights.flight_id = boarding_passes.flight_id
INNER JOIN tickets ON ticket_flights.ticket_no = tickets.ticket_no
INNER JOIN bookings ON tickets.book_ref = bookings.book_ref;
```

Output — Result 84 — --5

1-500 of 501+   CSV

flights.flight_id	flight_no	scheduled_departure	scheduled_arrival	departure_airport	arrival
1	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
2	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
3	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
4	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
5	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
6	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
7	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
8	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
9	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
10	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
11	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
12	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
13	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB
14	604	PG0222	2017-07-26 08:05:00.000000 +00:00	2017-07-26 11:30:00.000000 +00:00	DME	OVB

```sql
--5
SELECT f.flight_id, f.flight_no, f.scheduled_departure,tf.flight_id
FROM ticket_flights AS tf
RIGHT JOIN bookings.flights f ON f.flight_id = tf.flight_id
WHERE tf.flight_id IS NULL;
```

Output   Result 65 ×

1-500 ∨ of 501+

	f.flight_id	flight_no	scheduled_departure	tf.flight_id
1	31850	PG0440	2017-09-03 10:10:00.000000 +00:00	<null>
2	33	PG0403	2017-05-26 08:25:00.000000 +00:00	<null>
3	50	PG0402	2017-06-15 09:25:00.000000 +00:00	<null>
4	84	PG0402	2017-06-26 09:25:00.000000 +00:00	<null>
5	92	PG0403	2017-07-08 08:25:00.000000 +00:00	<null>
6	112	PG0402	2017-05-24 09:25:00.000000 +00:00	<null>
7	114	PG0402	2017-08-06 09:25:00.000000 +00:00	<null>
8	116	PG0403	2017-06-12 08:25:00.000000 +00:00	<null>
9	122	PG0402	2017-08-24 09:25:00.000000 +00:00	<null>
10	199	PG0403	2017-08-08 08:25:00.000000 +00:00	<null>
11	207	PG0403	2017-05-30 08:25:00.000000 +00:00	<null>
12	288	PG0403	2017-06-09 08:25:00.000000 +00:00	<null>
13	299	PG0402	2017-07-10 09:25:00.000000 +00:00	<null>
14	324	PG0403	2017-06-27 08:25:00.000000 +00:00	<null>
15	370	PG0403	2017-08-21 08:25:00.000000 +00:00	<null>
16	410	PG0402	2017-09-03 09:25:00.000000 +00:00	<null>
17	414	PG0403	2017-08-03 08:25:00.000000 +00:00	<null>
18	417	PG0402	2017-08-15 09:25:00.000000 +00:00	<null>
19	440	PG0403	2017-07-31 08:25:00.000000 +00:00	<null>
20	448	PG0403	2017-06-21 08:25:00.000000 +00:00	<null>
21	456	PG0403	2017-07-12 08:25:00.000000 +00:00	<null>
22	969	PG0213	2017-09-06 16:20:00.000000 +00:00	<null>
23	1034	PG0213	2017-07-27 16:20:00.000000 +00:00	<null>
24	1108	PG0213	2017-05-29 16:20:00.000000 +00:00	<null>
25	1159	PG0213	2017-06-19 16:20:00.000000 +00:00	<null>
26	1164	PG0213	2017-06-22 16:20:00.000000 +00:00	<null>
27	1361	PG0054	2017-06-08 14:05:00.000000 +00:00	<null>

```
--6
SELECT tf.flight_id , SUM(tf.amount) AS sum_vir
FROM ticket_flights AS tf
JOIN bookings.flights AS f ON tf.flight_id = f.flight_id
WHERE EXTRACT(MONTH FROM f.scheduled_departure) = 8 AND EXTRACT(YEAR FROM f.scheduled_departure) = 2017
GROUP BY tf.flight_id
ORDER BY sum_vir DESC;
```

▣ Output   ▦ Result 66 ×

|< < 1-500 ∨ of 501+ > >|

	flight_id	sum_vir
1	4686	17146600
2	51909	17023600
3	4672	16962100
4	4624	16900600
5	4684	16839100
6	4677	16777600
7	4673	16777600
8	4716	16648400
9	4669	16593100
10	51853	16593100
11	4664	16593100
12	4707	16586900
13	51869	16531600
14	51864	16531600
15	51887	16470100
16	4682	16470100
17	4699	16470100
18	4637	16463900
19	51923	16408600
20	51878	16340900
21	4702	16340900
22	4630	16285600
23	51858	16285600
24	4612	16279400
25	51920	16224100

```sql
--7
SELECT
f.flight_no,
SUM(tf.amount) FILTER (WHERE EXTRACT(MONTH FROM f.scheduled_departure ) = 8) AS august,
SUM(tf.amount) FILTER (WHERE EXTRACT(MONTH FROM f.scheduled_departure ) = 9) AS september
FROM flights AS  f
JOIN ticket_flights AS  tf ON f.flight_id = tf.flight_id
WHERE EXTRACT(YEAR FROM f.scheduled_departure) = 2017
GROUP BY f.flight_no
ORDER BY f.flight_no, september DESC, august DESC ;
```

Output   Result 81 ×

483 rows

	flight_no	august	september
1	PG0012	2962500	472200
2	PG0013	167781900	32787600
3	PG0014	10601700	2278900
4	PG0015	1752400	93500
5	PG0016	1640200	602200
6	PG0019	9586000	242500
7	PG0020	9988500	2963500
8	PG0029	572400	10600
9	PG0030	349800	137800
10	PG0032	975200	201400
11	PG0035	1261500	287100
12	PG0038	504600	200100
13	PG0039	10471900	3022600
14	PG0040	10174700	588000
15	PG0041	5156200	610300
16	PG0042	5204400	1090400
17	PG0043	4728600	369300
18	PG0044	4764200	878200
19	PG0045	5522600	541700
20	PG0046	5619200	854300

```
63    --8
64 ✓  SELECT passenger_name
65    FROM tickets
66    WHERE passenger_name LIKE 'iRiNa%'
67    GROUP BY passenger_name
68
```

▶ Output   ▦ Result 84   ▦ demo.bookings.tickets ✕

|◁ ◁ 0 rows ∨ ▷ ▷| ⟳ 🕐 ■ | + − ↺ ⟲ ⇧ Tx: Auto ∨ | DDL | 📌

🗖 passenger_name ⇕