

```

1  --1
2  ✓ SELECT airport_name -> 'ru' from airports_data
3  EXCEPT
4  SELECT city -> 'ru' from airports_data;
5
6  --2
7  SELECT airport_name -> 'ru' from airports_data
8  INTERSECT
9  SELECT city -> 'ru' from airports_data;
10
11 --3
12 SELECT count(flight_no), aircraft_code from flights
13 WHERE departure_airport = 'KZN'
14 AND scheduled_departure >= '2017-08-01' AND scheduled_arrival < '2017-09-01'
15 GROUP BY aircraft_code
16 HAVING count(flight_no) > 50

```

Output --1 ×

38 rows

?column?

1	"Игнатьево"
2	"Спиченково"
3	"Курск-Восточный"
4	"Омск-Центральный"
5	"Донское"
6	"Хабаровск-Новый"
7	"Богашёво"
8	"Пулково"
9	"Елизово"
10	"Баратаевка"

```

5
6
7 ✓ SELECT airport_name -> 'ru' from airports_data
8 INTERSECT
9 SELECT city -> 'ru' from airports_data;
10
11 --3
12 SELECT count(flight_no), aircraft_code from flights
13 WHERE departure_airport = 'KZN'
14 AND scheduled_departure >= '2017-08-01' AND scheduled_arrival < '2017-09-01'
15 GROUP BY aircraft_code
16 HAVING count(flight_no) > 50

```

Output airport_name -> 'ru' ×

66 rows

	?column?
1	"Мурманск"
2	"Нарьян-Мар"
3	"Анадырь"
4	"Воронеж"
5	"Уфа"
6	"Чебоксары"
7	"Пермь"
8	"Нальчик"
9	"Череповец"

```

10
11 --3
12 ✓ SELECT count(flight_no), aircraft_code from flights
13 WHERE departure_airport = 'KZN'
14 AND scheduled_departure >= '2017-08-01' AND scheduled_arrival < '2017-09-01'
15 GROUP BY aircraft_code
16 HAVING count(flight_no) > 50
17 ORDER BY count(flight_no) DESC, aircraft_code ASC;
18
19 --4
20 SELECT * from flights
21 INNER JOIN ticket_flights tf on flights.flight_id = tf.flight_id
22 INNER JOIN tickets t on tf.ticket_no = t.ticket_no

```

Output --3 ×

3 rows

	count	aircraft_code
1	62	CN1
2	62	SU9
3	54	CR2

```
--4
SELECT * from flights
INNER JOIN ticket_flights tf on flights.flight_id = tf.flight_id
INNER JOIN tickets t on tf.ticket_no = t.ticket_no
INNER JOIN boarding_passes bp on flights.flight_id = bp.flight_id
INNER JOIN bookings b on b.book_ref = t.book_ref
INNER JOIN aircrafts_data ad on ad.aircraft_code = flights.aircraft_code
INNER JOIN seats s on flights.aircraft_code = s.aircraft_code
INNER JOIN airports_data a on a.airport_code = flights.arrival_airport;
```

```
--6
SELECT sum(amount) from ticket_flights
join flights f on f.flight_id = ticket_flights.flight_id
WHERE actual_departure >= '2017-08-01' AND actual_arrival < '2017-09-01'
GROUP BY flight_no
ORDER BY sum(amount) desc;
```

```
--7
SELECT sum(amount) as august
from ticket_flights tf
join flights f on f.flight_id = tf.flight_id
WHERE actual_departure >= '2017-08-01' AND actual_arrival < '2017-09-01'
GROUP BY flight_no
```

Output --3 × --6 ×

469 rows

sum

1	226841800
2	222456700
3	176291500
4	173222800
5	153359500
6	147876400
7	140439600
8	137918900
9	130511800
10	130033600
11	89771600
12	86864500
13	78829700

```
6
7      --8
8  ✓ SELECT DISTINCT passenger_name from tickets
9  WHERE passenger_name LIKE upper('iRiNa%');
10
11
```

Output	
113 rows	
passenger_name	
1	IRINA NOVIKOVA
2	IRINA ZHUKOVA
3	IRINA SMIRNOVA
4	IRINA MIKHAYLOVA
5	IRINA ISAEVA
6	IRINA FILIPPOVA
7	IRINA LAZAREVA
8	IRINA KUZMINA
9	IRINA TIKHONOVA
10	IRINA MOROZOVA
11	IRINA ILINA
12	IRINA MATVEEVA
13	IRINA FEDAKOVA