

DB DBProject main

console [demo@localhost] boarding_passes [demo@localhost] aircrafts_data [demo@localhost]

Tx: Auto Playground

```
19 -- Задание D
20 SELECT departure_airport, COUNT(*) AS flight_count
21 FROM flights
22 WHERE flights.departure_airport not IN ('KZN', 'DME', 'OVB', 'IKT', 'LED', 'SVO')
23 GROUP BY departure_airport
24 ORDER BY flight_count ASC;
25 -- Задание E
26
27 -- Задание 1
28 SELECT airport_name ->> 'ru' AS airport_name
29 FROM airports_data
30 EXCEPT
31 SELECT city ->> 'ru'
32 FROM airports_data
33 ORDER BY airport_name ASC;
34 --Задание 2
35 SELECT airport_name ->> 'ru' AS airport_name
36 FROM airports_data
37 intersect
38 SELECT city ->> 'ru'
39 FROM airports_data
40 ORDER BY airport_name ASC;
```

Services

Tx > Output Задание 1

38 rows

	airport_name
7	г. Уфа
10	Домодедово
11	Донское
12	Елизovo
13	Емельяново
14	Ивановo-Южный
15	Игнатъево
16	Кольцовo
17	Курск-Восточный
18	Курумоч
19	Омск-Центральный

Database Consoles > demo@localhost > console [demo@localhost]

console [demo@localhost] ×boarding_passes [demo@localhost]

▶⌚⊙⚙Tx: Auto ✓↺■Playground ▾📄

22WHERE flights.departure_airport not IN ('KZN', 'DMB')

23GROUP BY departure_airport

24ORDER BY flight_count ASC;

25-- Задание E

26

27-- Задание 1

28SELECT airport_name ->> 'ru' AS airport_name

29FROM airports_data

30EXCEPT

31SELECT city ->> 'ru'

32FROM airports_data

33ORDER BY airport_name ASC;

34--Задание 2

35✓ SELECT airport_name ->> 'ru' AS airport_name

36FROM airports_data

37intersect

38SELECT city ->> 'ru'

39FROM airports_data

40ORDER BY airport_name ASC;

41--Задание 3

42SELECT aircraft_code, COUNT(*) AS flight_count

43FROM flights

Services

Tx > 📄 Output 📄 Задание 2 ×

✓🔊|<< 66 rows ▾ >>|🔄⌚■📌

📄🔊

	airport_name
7	бух улюма
10	Владивосток
11	Воркута
12	Воронеж
13	Геленджик
14	Горно-Алтайск
15	Грозный
16	Ижевск
17	Иркутск
18	Йошкар-Ола
19	Казань

```

SELECT city --> 'ru'
FROM airports_data
ORDER BY airport_name ASC;
--Задание 2
SELECT airport_name --> 'ru' AS airport_name
FROM airports_data
intersect
SELECT city --> 'ru'
FROM airports_data
ORDER BY airport_name ASC;
--Задание 3
SELECT aircraft_code, COUNT(*) AS flight_count
FROM flights
WHERE departure_airport = 'KZN'
AND EXTRACT(MONTH FROM scheduled_departure) = 8
AND EXTRACT(YEAR FROM scheduled_departure) = 2017
GROUP BY aircraft_code
HAVING COUNT(*) > 50
ORDER BY flight_count DESC;
--5 задание

SELECT flights.flight_id, flights.flight_no

```

ices

OutputЗадание 3

3 rows

	aircraft_code	flight_count
1	CN1	62
2	SU9	62
3	CR2	54

DBProject - main

console [demo@localhost] x boarding_passes [demo@localhost] aircrafts_data [demo@localhost] ticket_flights [demo@localhost] flights [demo@localhost] tickets [demo@localhost]

FROM flights f
LEFT JOIN
ticket_flights t ON f.flight_id = t.flight_id
WHERE EXTRACT(YEAR FROM f.scheduled_departure) = 2017
GROUP BY f.flight_no
ORDER BY august DESC, f.flight_no ASC;
--4
select *
from airports_data
inner join bookings.flights on airports_data.airport_code = flights.arrival_airport
inner join bookings.ticket_flights on flights.flight_id = ticket_flights.flight_id
inner join bookings.boarding_passes on ticket_flights.flight_id = boarding_passes.flight_id
inner join bookings.tickets on tickets.ticket_no = ticket_flights.ticket_no
inner join bookings.bookings on bookings.book_ref = tickets.book_ref
inner join bookings.aircrafts_data on flights.aircraft_code = aircrafts_data.aircraft_code
inner join bookings.seats on aircrafts_data.aircraft_code = seats.aircraft_code;
--8
SELECT DISTINCT passenger_name
FROM tickets
WHERE passenger_name ILIKE '%iRiNa%';

Services

Output --4 x

airport_code	airport_name	city	coordinates	timezone	flights.flight_id	flight_no
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052
HMA	{'en': 'Khanty Mansiysk Airport', 'ru': 'Ханты-Мансийск'}	{'en': 'Khanty-Mansiysk', 'ru': 'Ханты-Мансийск'}	(69.08609771728516,61.028499603271484)	Asia/Yekaterinburg	3993	PG0052

Database Consoles > demo@localhost > console [demo@localhost]

DB_Team@localhost 1 of 2

demo@localhost 1 of 4

Server Objects

LEna@localhost 1 of 3

LEna 1 of 3

public

- tables 5
 - bookkeeping
 - material
 - product
 - shop
 - stockroom
- sequences 5

Database Objects

Server Objects

```
81 from airports_data
82 inner join bookings.flights on airports_data.airport_code = flights.arrival_airport
83 inner join bookings.ticket_flights on flights.flight_id = ticket_flights.flight_id
84 inner join bookings.boarding_passes on ticket_flights.flight_id = boarding_passes.flight_id
85 inner join bookings.tickets on tickets.ticket_no = ticket_flights.ticket_no
86 inner join bookings.bookings on bookings.book_ref = tickets.book_ref
87 inner join bookings.aircrafts_data on flights.aircraft_code = aircrafts_data.aircraft_code
88 inner join bookings.seats on aircrafts_data.aircraft_code = seats.aircraft_code;
89 --8
90 SELECT DISTINCT passenger_name
91 FROM tickets
92 WHERE passenger_name ILIKE '%iRiNa%';
93 --5
94 select flights.flight_no
95 from ticket_flights
96 right join flights on flights.flight_id = ticket_flights.flight_id
97 where ticket_flights.flight_id is null;
```

Output --5 x

flight_no
PG0473
PG0477
PG0477
PG0473
PG0477
PG0477
PG0473
PG0473
PG0473
PG0473
PG0475
PG0507
PG0132
PG0439
PG0439

base Consoles > demo@localhost > console [demo@localhost]

console [demo@localhost] | boarding_passes [demo@localhost] | aircrafts_data [demo@localhost] | ticket_flights [demo@localhost] | flights [demo@localhost] | tickets [demo@localhost]

demo: bookings, public | console

166 AND EXTRACT(YEAR FROM scheduled_departure) = 2017

167 GROUP BY aircraft_code

168 HAVING COUNT(*) > 50

169 ORDER BY flight_count DESC;

170 --3.saganne

171

172 ✓ SELECT flights.flight_id, flights.flight_no

173 FROM flights

174 RIGHT JOIN ticket_flights ON flights.flight_id = ticket_flights.flight_id

175 WHERE ticket_flights.ticket_no IS NULL;

176

177 --Tasks

178 ✓ SELECT f.flight_id,

179 f.flight_no,

180 | f.scheduled_departure,

181 COALESCE(SUM(t.amount), 0) AS total_revenue

182 FROM flights f

183 LEFT JOIN

184 ticket_flights t ON f.flight_id = t.flight_id

185 WHERE EXTRACT(MONTH FROM f.scheduled_departure) = 8

186 AND EXTRACT(YEAR FROM f.scheduled_departure) = 2017

187 GROUP BY f.flight_id, f.flight_no, f.scheduled_departure

Services

Task6

Output Task6

1-500 of 16.835

CSV

Download

Copy

Print

Fullscreen

Settings

	flight_id	flight_no	scheduled_departure	total_revenue
1	2354	P60208	2017-08-05 17:40:00.000000 +00:00	17146300
2	20212	P60209	2017-08-23 09:55:00.000000 +00:00	17023600
3	2304	P60208	2017-08-16 17:40:00.000000 +00:00	16962100
4	2330	P60208	2017-08-07 17:40:00.000000 +00:00	16908600
5	2341	P60208	2017-08-24 17:40:00.000000 +00:00	16839100
6	2369	P60208	2017-08-26 17:40:00.000000 +00:00	16777600
7	2344	P60208	2017-08-25 17:40:00.000000 +00:00	16777600
8	20162	P60209	2017-08-03 09:55:00.000000 +00:00	16593100
9	2325	P60208	2017-08-13 17:40:00.000000 +00:00	16593100
10	2332	P60208	2017-08-03 17:40:00.000000 +00:00	16593100
11	2359	P60208	2017-08-23 17:40:00.000000 +00:00	16586900

Database Consoles > demo@localhost | console [demo@localhost]

60.4 CRLF UTF-8 4 spaces

console [demo@localhost] × boarding_passes [demo@localhost] aircrafts_data [demo@localhost] ticket_flights [demo@localhost] flights [demo@localhost] tickets [demo@localhost]

GROUP BY f.flight_id, f.flight_no, f.scheduled_departure
ORDER BY total_revenue DESC;
--7

```

71 SELECT f.flight_no,
72        SUM(CASE WHEN EXTRACT(MONTH FROM f.scheduled_departure) = 8 THEN t.amount ELSE 0 END) AS august,
73        SUM(CASE WHEN EXTRACT(MONTH FROM f.scheduled_departure) = 9 THEN t.amount ELSE 0 END) AS september
74 FROM flights f
75      LEFT JOIN
76      ticket_flights t ON f.flight_id = t.flight_id
77 WHERE EXTRACT(YEAR FROM f.scheduled_departure) = 2017
78 GROUP BY f.flight_no
79 ORDER BY august DESC, f.flight_no ASC;
--4
80 select *
81 from airports_data
82      inner join bookings.flights on airports_data.airport_code = flights.arrival_airport
83      inner join bookings.ticket_flights on flights.flight_id = ticket_flights.flight_id
84      inner join bookings.boarding_passes on ticket_flights.flight_id = boarding_passes.flight_id
85      inner join bookings.tickets on tickets.ticket_no = ticket_flights.ticket_no
86      inner join bookings.bookings on bookings.book_ref = tickets.book_ref
87      inner join bookings.aircrafts_data on flights.aircraft_code = aircrafts_data.aircraft_code
88      inner join bookings.seats on aircrafts_data.aircraft_code = seats.aircraft_code;

```

Services

Output --7 ×

1-500 of 710

flight_no	august	september
P60225	185613400	23714900
P60226	178342500	33120000
P60013	167781900	32787600
P60224	167485600	17042200
P60498	153491600	24060000
P60703	152081000	17161600
P60499	150695900	34378100
P60704	147239900	25894400
P60547	136151100	14778900
P60548	135162300	24149400
P60168	124199400	13606200

Database Consoles > demo@localhost > console [demo@localhost]

```

inner join bookings.bookings on bookings.book_ref = tickets.book_ref
inner join bookings.aircrafts_data on flights.aircraft_code = aircrafts_data.aircraft_code
inner join bookings.seats on aircrafts_data.aircraft_code = seats.aircraft_code;
--8
SELECT DISTINCT passenger_name
FROM tickets
WHERE passenger_name ILIKE '%iRiNa%';

```

Services

Output --8 ×

113 rows

passenger_name
IRINA ILINA
IRINA MATVEEVA
IRINA ERMAKOVA
IRINA SOKOLOVA
IRINA MEDVEDEVA
IRINA ABRAMOVA
IRINA MOISEEVA
IRINA KAZAKOVA
IRINA GERASIMOVA
IRINA ORLOVA
IRINA LUKYANOVA

Database Consoles > demo@localhost > console [demo@localhost]