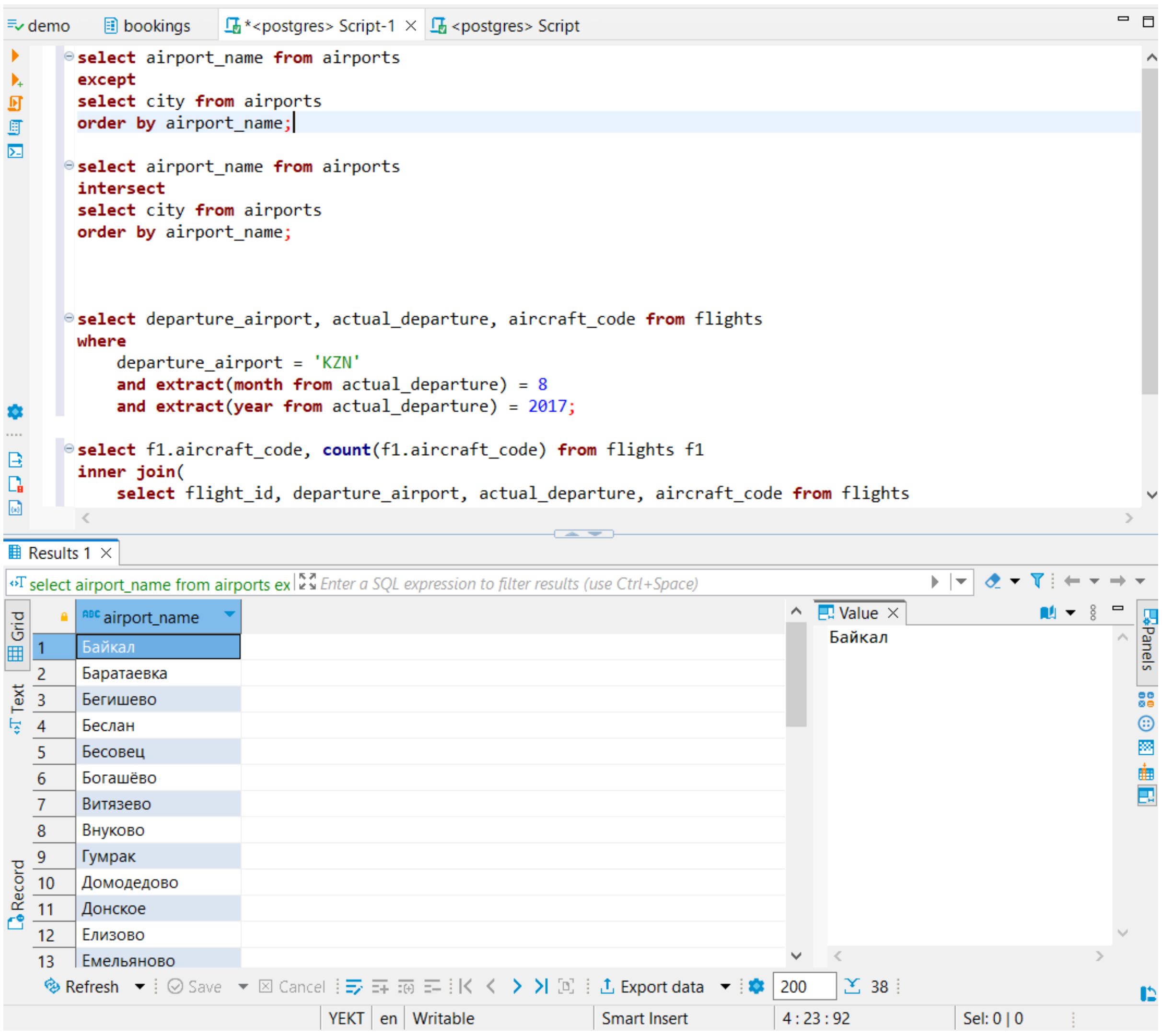
Задание 1

```
select airport_name from airports
except
select city from airports
order by airport_name;
```



```
select airport_name from airports
except
select city from airports
order by airport_name;

select airport_name from airports
intersect
select city from airports
order by airport_name;


select departure_airport, actual_departure, aircraft_code from flights
where
    departure_airport = 'KZN'
    and extract(month from actual_departure) = 8
    and extract(year from actual_departure) = 2017;

select f1.aircraft_code, count(f1.aircraft_code) from flights f1
inner join(
    select flight_id, departure_airport, actual_departure, aircraft_code from flights
```

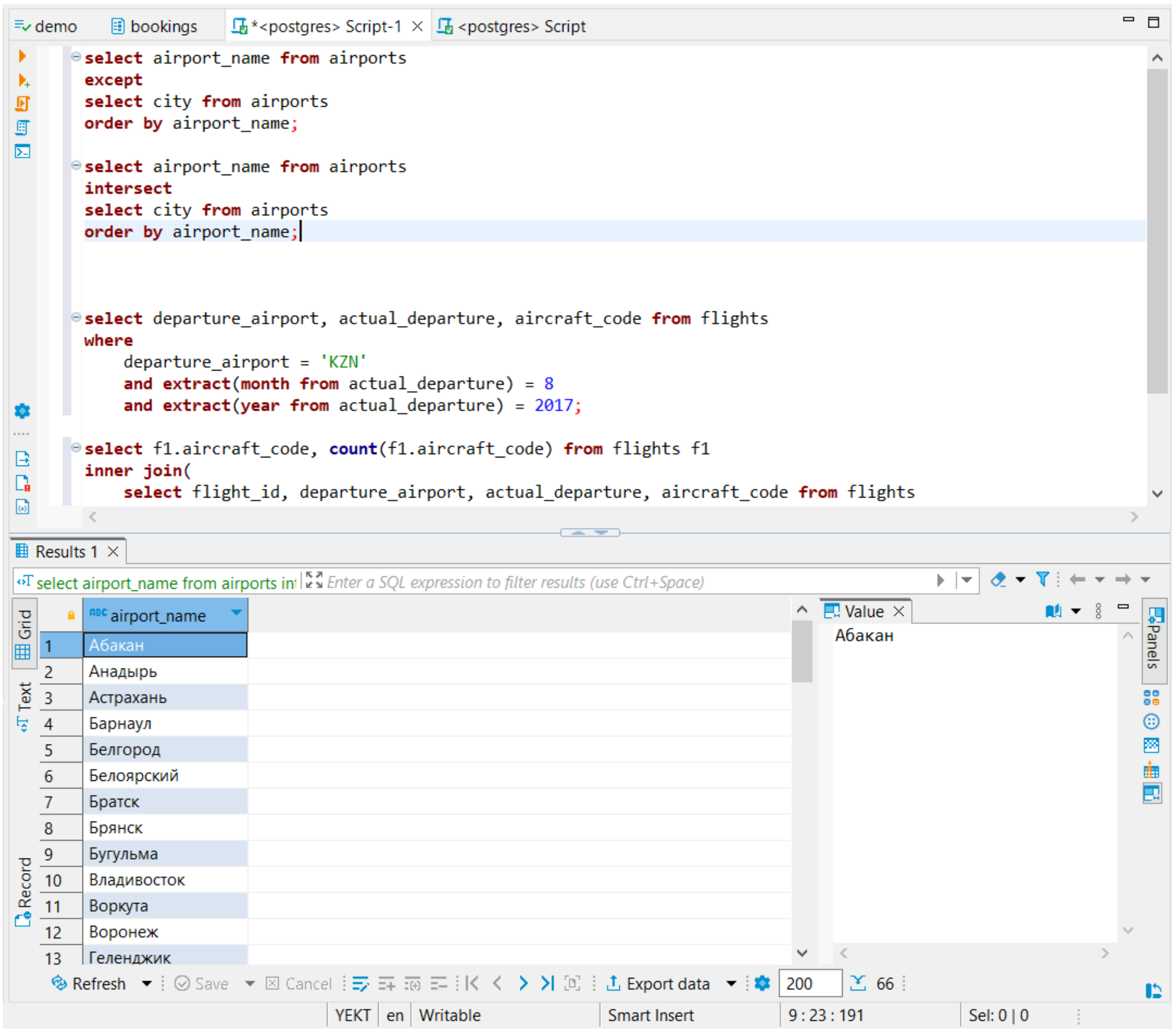
Results 1
select airport_name from airports ex
Enter a SQL expression to filter results (use Ctrl+Space)
Grid
Text
Record
Value
Panels

	airport_name
1	Байкал
2	Барабаевка
3	Бегишево
4	Беслан
5	Бесовец
6	Богашёво
7	Витязево
8	Внуково
9	Гумрак
10	Домодедово
11	Донское
12	Елизово
13	Емельяново

Байкал

Задание 2

```
select airport_name from airports
intersect
select city from airports
order by airport_name;
```



```
select airport_name from airports
except
select city from airports
order by airport_name;

select airport_name from airports
intersect
select city from airports
order by airport_name;


select departure_airport, actual_departure, aircraft_code from flights
where
    departure_airport = 'KZN'
    and extract(month from actual_departure) = 8
    and extract(year from actual_departure) = 2017;

select f1.aircraft_code, count(f1.aircraft_code) from flights f1
inner join(
    select flight_id, departure_airport, actual_departure, aircraft_code from flights
```

Results 1

select airport_name from airports in

	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

Value: Абакан

200 | 66

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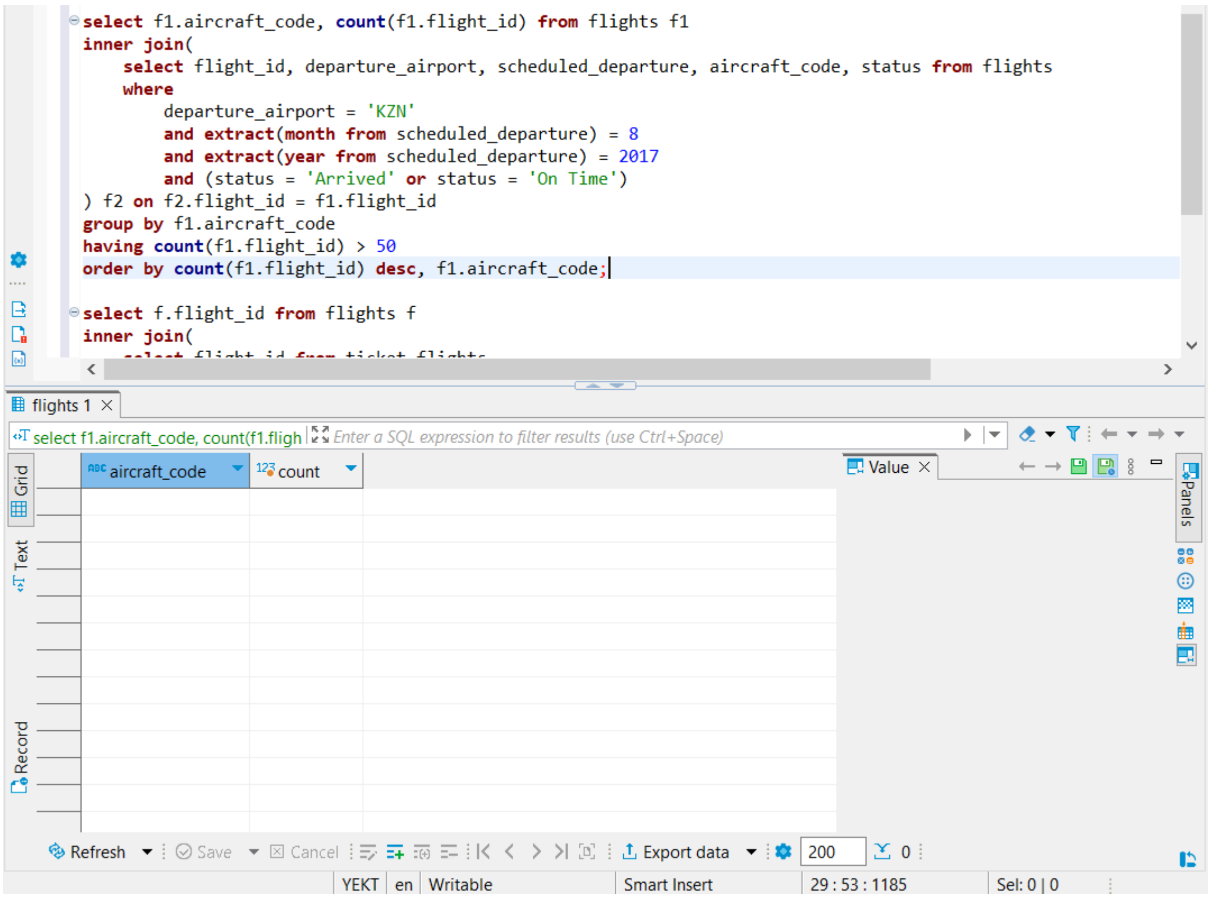
Задание 3

```
select f1.aircraft_code, count(f1.flight_id) from flights f1
inner join(
        select flight_id, departure_airport, scheduled_departure, aircraft_code, status from flights
        where
                departure_airport = 'KZN'
                and extract(month from scheduled_departure) = 8
                and extract(year from scheduled_departure) = 2017
                and (status = 'Arrived' or status = 'On Time')
) f2 on f2.flight_id = f1.flight_id
group by f1.aircraft_code
having count(f1.flight_id) > 50
order by count(f1.flight_id) desc, f1.aircraft_code;
```



```
select f1.aircraft_code, count(f1.flight_id) from flights f1
inner join(
    select flight_id, departure_airport, scheduled_departure, aircraft_code, status from flights
    where
        departure_airport = 'KZN'
        and extract(month from scheduled_departure) = 8
        and extract(year from scheduled_departure) = 2017
        and (status = 'Arrived' or status = 'On Time')
) f2 on f2.flight_id = f1.flight_id
group by f1.aircraft_code
having count(f1.flight_id) > 50
order by count(f1.flight_id) desc, f1.aircraft_code;

select f.flight_id from flights f
inner join(
    select flight_id from ticket_flights
```

flights 1

select f1.aircraft_code, count(f1.fligh | Enter a SQL expression to filter results (use Ctrl+Space)

aircraft_code	count

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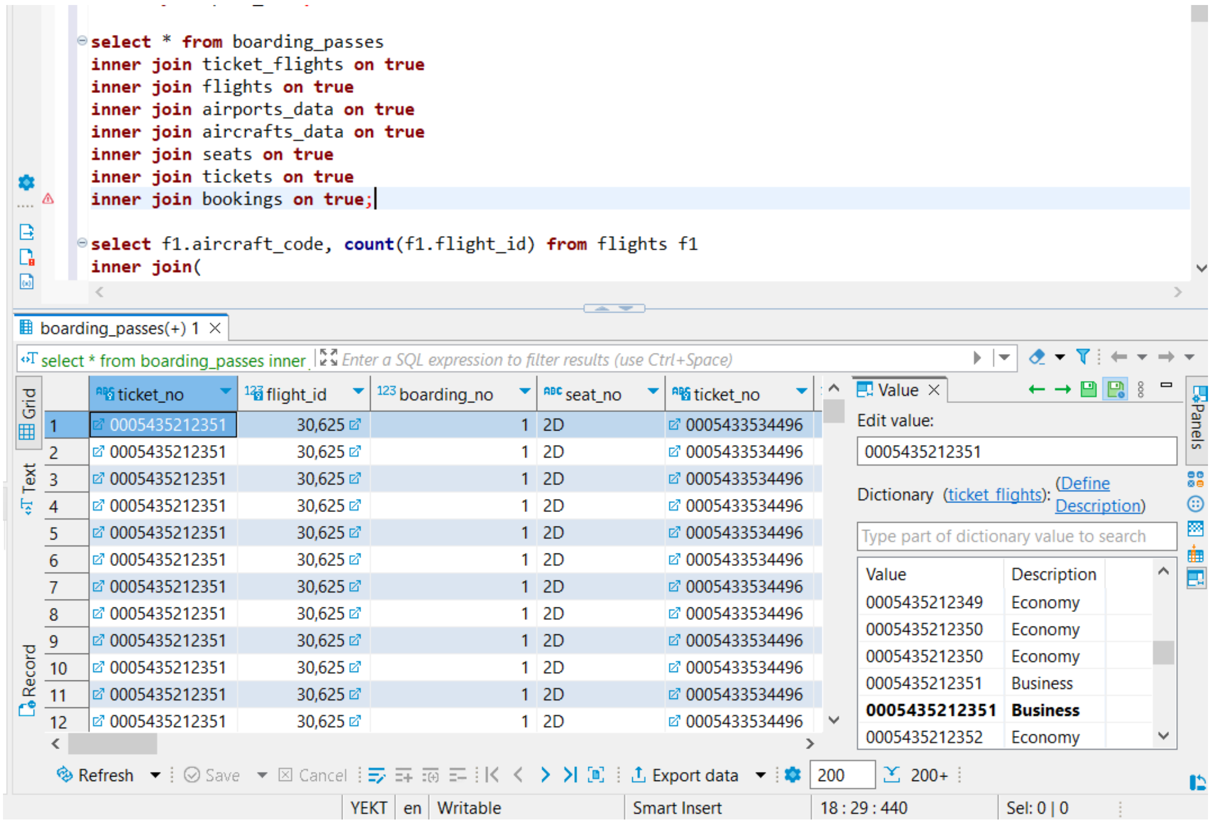
Задание 4

```
select * from boarding_passes
inner join ticket_flights on true
inner join flights on true
inner join airports_data on true
inner join aircrafts_data on true
inner join seats on true
inner join tickets on true
inner join bookings on true;
```



```
select * from boarding_passes
inner join ticket_flights on true
inner join flights on true
inner join airports_data on true
inner join aircrafts_data on true
inner join seats on true
inner join tickets on true
inner join bookings on true;

select f1.aircraft_code, count(f1.flight_id) from flights f1
inner join(
```

boarding_passes(+) 1

select * from boarding_passes inner

	ticket_no	flight_id	boarding_no	seat_no	ticket_no
1	0005435212351	30,625	1	2D	0005433534496
2	0005435212351	30,625	1	2D	0005433534496
3	0005435212351	30,625	1	2D	0005433534496
4	0005435212351	30,625	1	2D	0005433534496
5	0005435212351	30,625	1	2D	0005433534496
6	0005435212351	30,625	1	2D	0005433534496
7	0005435212351	30,625	1	2D	0005433534496
8	0005435212351	30,625	1	2D	0005433534496
9	0005435212351	30,625	1	2D	0005433534496
10	0005435212351	30,625	1	2D	0005433534496
11	0005435212351	30,625	1	2D	0005433534496
12	0005435212351	30,625	1	2D	0005433534496

Value

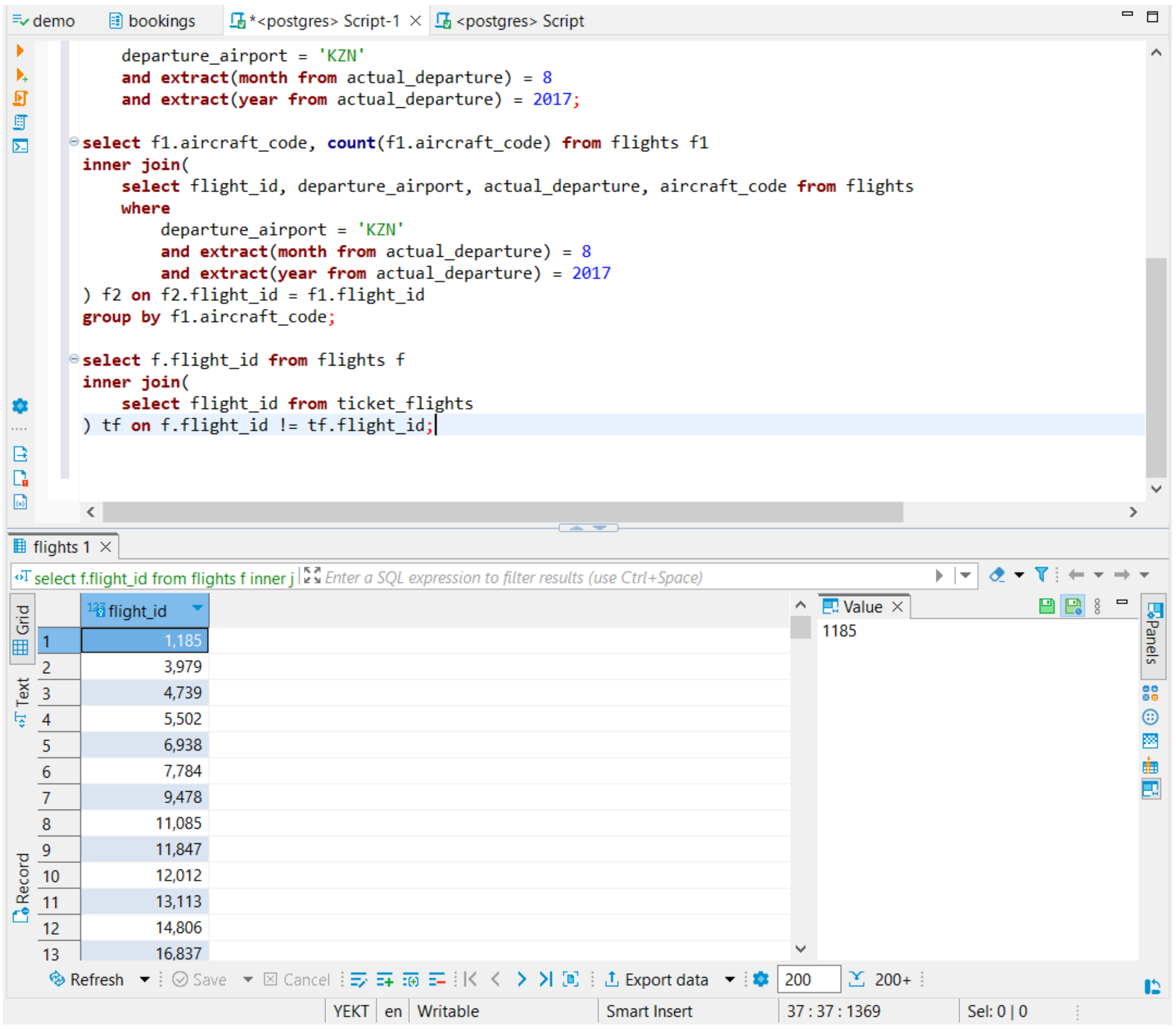
Edit value: 0005435212351

Dictionary (ticket_flights): (Define Description)

Value	Description
0005435212349	Economy
0005435212350	Economy
0005435212350	Economy
0005435212351	Business
0005435212351	**Business**
0005435212352	Economy

Задание 5

```
select f.flight_id from flights f
inner join(
        select flight_id from ticket_flights
) tf on f.flight_id != tf.flight_id;
```



```
    departure_airport = 'KZN'
    and extract(month from actual_departure) = 8
    and extract(year from actual_departure) = 2017;

select f1.aircraft_code, count(f1.aircraft_code) from flights f1
inner join(
    select flight_id, departure_airport, actual_departure, aircraft_code from flights
    where
        departure_airport = 'KZN'
        and extract(month from actual_departure) = 8
        and extract(year from actual_departure) = 2017
) f2 on f2.flight_id = f1.flight_id
group by f1.aircraft_code;

select f.flight_id from flights f
inner join(
    select flight_id from ticket_flights
) tf on f.flight_id != tf.flight_id;
```

select f.flight_id from flights f inner j | Enter a SQL expression to filter results (use Ctrl+Space)

	flight_id
1	1,185
2	3,979
3	4,739
4	5,502
5	6,938
6	7,784
7	9,478
8	11,085
9	11,847
10	12,012
11	13,113
12	14,806
13	16,837

Value
1185

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