



Введите часть имени таблицы

localhost localhost:5432

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Свойства

Данные

airline

airport

Введите SQL выражение чтобы отфильтровать результаты

airport_id	airport_name	country	state	city	created_at	updated_at
175	Sabiha Gökçen International Airport	Turkey	Istanbul	Istanbul	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
176	Ankara Esenboğa Airport	Turkey	Ankara	Ankara	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
177	Izmir Adnan Menderes Airport	Turkey	Izmir	Izmir	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
178	Cairo International Airport	Egypt	Cairo	Cairo	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
179	Sharm El Sheikh International Airport	Egypt	South Sinai	Sharm El Shei	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
180	Hurghada International Airport	Egypt	Red Sea	Hurghada	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
181	Casablanca Mohammed V Internation	Morocco	Casablanca-Settat	Casablanca	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
182	Marrakech Menara Airport	Morocco	Marrakech-Safi	Marrakech	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
183	Tunis-Carthage International Airport	Tunisia	Tunis	Tunis	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
184	Algiers Houari Boumediene Airport	Algeria	Algiers	Algiers	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
185	Tripoli International Airport	Libya	Tripoli	Tripoli	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
186	Cape Town International Airport	South Africa	Western Cape	Cape Town	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
187	Johannesburg O.R. Tambo Internation	South Africa	Gauteng	Johannesburg	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
188	Durban King Shaka International Airp	South Africa	KwaZulu-Natal	Durban	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
189	Lagos Murtala Muhammed Internation	Nigeria	Lagos	Lagos	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
190	Abuja Nnamdi Azikiwe International	Nigeria	Federal Capital Ter	Abuja	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
191	Nairobi Jomo Kenyatta International	Kenya	Nairobi	Nairobi	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
192	Addis Ababa Bole International Airpo	Ethiopia	Addis Ababa	Addis Ababa	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
193	Dar es Salaam Julius Nyerere Internati	Tanzania	Dar es Salaam	Dar es Salaam	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
194	Entebbe International Airport	Uganda	Central Region	Entebbe	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
195	Kigali International Airport	Rwanda	Eastern Province	Kigali	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
196	Lusaka Kenneth Kaunda International	Zambia	Lusaka	Lusaka	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
197	Harare Robert Gabriel Mugabe Intern	Zimbabwe	Harare	Harare	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
198	Gaborone Sir Seretse Khama Internati	Botswana	South-East District	Gaborone	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
199	Windhoek Hosea Kutako International	Namibia	Khomas	Windhoek	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561
200	Maputo International Airport	Mozambique	Maputo	Maputo	2025-09-23 12:37:31.561	2025-09-23 12:37:31.561

Обновить Save Cancel Экспорт данных ... 200 200 200 строк получено - 0,009s (0,008s получ.), 2025-09-23 в 12:37:58

#empty

airline_id	airline_code	airline_name	airline_country	created_at	updated_at	info
176	A17	Airline 176	Japan	2023-01-08 08:00:00.000	2024-01-08 08:00:00.000	Airline inform
177	A17	Airline 177	Australia	2023-01-08 09:00:00.000	2024-01-08 09:00:00.000	Airline inform
178	A17	Airline 178	China	2023-01-08 10:00:00.000	2024-01-08 10:00:00.000	Airline inform
179	A17	Airline 179	Brazil	2023-01-08 11:00:00.000	2024-01-08 11:00:00.000	Airline inform
180	A18	Airline 180	Russia	2023-01-08 12:00:00.000	2024-01-08 12:00:00.000	Airline inform
181	A18	Airline 181	United States	2023-01-08 13:00:00.000	2024-01-08 13:00:00.000	Airline inform
182	A18	Airline 182	Germany	2023-01-08 14:00:00.000	2024-01-08 14:00:00.000	Airline inform
183	A18	Airline 183	France	2023-01-08 15:00:00.000	2024-01-08 15:00:00.000	Airline inform
184	A18	Airline 184	United Kingdom	2023-01-08 16:00:00.000	2024-01-08 16:00:00.000	Airline inform
185	A18	Airline 185	Canada	2023-01-08 17:00:00.000	2024-01-08 17:00:00.000	Airline inform
186	A18	Airline 186	Japan	2023-01-08 18:00:00.000	2024-01-08 18:00:00.000	Airline inform
187	A18	Airline 187	Australia	2023-01-08 19:00:00.000	2024-01-08 19:00:00.000	Airline inform
188	A18	Airline 188	China	2023-01-08 20:00:00.000	2024-01-08 20:00:00.000	Airline inform
189	A18	Airline 189	Brazil	2023-01-08 21:00:00.000	2024-01-08 21:00:00.000	Airline inform
190	A19	Airline 190	Russia	2023-01-08 22:00:00.000	2024-01-08 22:00:00.000	Airline inform
191	A19	Airline 191	United States	2023-01-08 23:00:00.000	2024-01-08 23:00:00.000	Airline inform
192	A19	Airline 192	Germany	2023-01-09 00:00:00.000	2024-01-09 00:00:00.000	Airline inform
193	A19	Airline 193	France	2023-01-09 01:00:00.000	2024-01-09 01:00:00.000	Airline inform
194	A19	Airline 194	United Kingdom	2023-01-09 02:00:00.000	2024-01-09 02:00:00.000	Airline inform
195	A19	Airline 195	Canada	2023-01-09 03:00:00.000	2024-01-09 03:00:00.000	Airline inform
196	A19	Airline 196	Japan	2023-01-09 04:00:00.000	2024-01-09 04:00:00.000	Airline inform
197	A19	Airline 197	Australia	2023-01-09 05:00:00.000	2024-01-09 05:00:00.000	Airline inform
198	A19	Airline 198	China	2023-01-09 06:00:00.000	2024-01-09 06:00:00.000	Airline inform
199	A19	Airline 199	Brazil	2023-01-09 07:00:00.000	2024-01-09 07:00:00.000	Airline inform
200	A20	Airline 200	Russia	2023-01-09 08:00:00.000	2024-01-09 08:00:00.000	Airline inform
201	KZ	KazAir	Turkey	2025-09-24 14:29:41.415	2025-09-24 14:29:59.201	[NULL]

airline_id	airline_code	airline_name	airline_country	created_at	updated_at	info
179	A17	Airline 179	Brazil	2023-01-08 11:00:00.000	2024-01-08 11:00:00.000	Airline inform
180	A18	Airline 180	Russia	2023-01-08 12:00:00.000	2024-01-08 12:00:00.000	Airline inform
181	A18	Airline 181	United States	2023-01-08 13:00:00.000	2024-01-08 13:00:00.000	Airline inform
182	A18	Airline 182	Germany	2023-01-08 14:00:00.000	2024-01-08 14:00:00.000	Airline inform
183	A18	Airline 183	France	2023-01-08 15:00:00.000	2024-01-08 15:00:00.000	Airline inform
184	A18	Airline 184	United Kingdom	2023-01-08 16:00:00.000	2024-01-08 16:00:00.000	Airline inform
185	A18	Airline 185	Canada	2023-01-08 17:00:00.000	2024-01-08 17:00:00.000	Airline inform
186	A18	Airline 186	Japan	2023-01-08 18:00:00.000	2024-01-08 18:00:00.000	Airline inform
187	A18	Airline 187	Australia	2023-01-08 19:00:00.000	2024-01-08 19:00:00.000	Airline inform
188	A18	Airline 188	China	2023-01-08 20:00:00.000	2024-01-08 20:00:00.000	Airline inform
189	A18	Airline 189	Brazil	2023-01-08 21:00:00.000	2024-01-08 21:00:00.000	Airline inform
190	A19	Airline 190	Russia	2023-01-08 22:00:00.000	2024-01-08 22:00:00.000	Airline inform
191	A19	Airline 191	United States	2023-01-08 23:00:00.000	2024-01-08 23:00:00.000	Airline inform
192	A19	Airline 192	Germany	2023-01-09 00:00:00.000	2024-01-09 00:00:00.000	Airline inform
193	A19	Airline 193	France	2023-01-09 01:00:00.000	2024-01-09 01:00:00.000	Airline inform
194	A19	Airline 194	United Kingdom	2023-01-09 02:00:00.000	2024-01-09 02:00:00.000	Airline inform
195	A19	Airline 195	Canada	2023-01-09 03:00:00.000	2024-01-09 03:00:00.000	Airline inform
196	A19	Airline 196	Japan	2023-01-09 04:00:00.000	2024-01-09 04:00:00.000	Airline inform
197	A19	Airline 197	Australia	2023-01-09 05:00:00.000	2024-01-09 05:00:00.000	Airline inform
198	A19	Airline 198	China	2023-01-09 06:00:00.000	2024-01-09 06:00:00.000	Airline inform
199	A19	Airline 199	Brazil	2023-01-09 07:00:00.000	2024-01-09 07:00:00.000	Airline inform
200	A20	Airline 200	Russia	2023-01-09 08:00:00.000	2024-01-09 08:00:00.000	Airline inform
201	KZ	KazAir	Turkey	2025-09-24 14:29:41.415	2025-09-24 14:29:59.201	[NULL]
202	AE	AirEasy	France	2025-09-24 14:31:04.229	2025-09-24 14:31:04.229	[NULL]
203	FH	FlyHigh	Brazil	2025-09-24 14:31:04.229	2025-09-24 14:31:04.229	[NULL]
204	FF	FlyFly	Poland	2025-09-24 14:31:04.229	2025-09-24 14:31:04.229	[NULL]

## SQL Used

```
CREATE TABLE airline (
  airline_id INT NOT NULL,
  airline_code VARCHAR(30) NOT NULL,
  airline_name VARCHAR(50) NOT NULL,
```

```

    airline_country VARCHAR(50) NOT NULL,
    created_at TIMESTAMP NOT NULL,
    updated_at TIMESTAMP NOT NULL,
    info VARCHAR(50) NOT NULL
);

CREATE TABLE airport (
    airport_id INT NOT NULL,
    airport_name VARCHAR(50) NOT NULL,
    country VARCHAR(50) NOT NULL,
    state VARCHAR(50) NOT NULL,
    city VARCHAR(50) NOT NULL,
    created_at TIMESTAMP NOT NULL,
    updated_at TIMESTAMP NOT NULL
);

CREATE TABLE passengers (
    passenger_id INT NOT NULL,
    first_name VARCHAR(50) NOT NULL,
    last_name VARCHAR(50) NOT NULL,
    date_of_birth DATE NOT NULL,
    gender VARCHAR(50) NOT NULL,
    country_of_citizenship VARCHAR(50) NOT NULL,
    country_of_residence VARCHAR(50) NOT NULL,
    passport_number VARCHAR(20) NOT NULL,
    created_at TIMESTAMP NOT NULL,
    updated_at TIMESTAMP NOT NULL
);

CREATE TABLE flights (
    flight_id INT NOT NULL,
    sch_departure_time TIMESTAMP NOT NULL,
    sch_arrival_time TIMESTAMP NOT NULL,
    departing_airport_id INT NOT NULL,
    arriving_airport_id INT NOT NULL,
    departing_gate VARCHAR(50) NOT NULL,
    arriving_gate VARCHAR(50) NOT NULL,
    airline_id INT NOT NULL,
    act_departure_time TIMESTAMP NOT NULL,
    act_arrival_time TIMESTAMP NOT NULL,
    created_at TIMESTAMP NOT NULL,
    updated_at TIMESTAMP NOT NULL
);

```

```
CREATE TABLE booking (  
    booking_id INT NOT NULL,  
    flight_id INT NOT NULL,  
    passenger_id INT NOT NULL,  
    booking_platform VARCHAR(50) NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL,  
    status VARCHAR(50) NOT NULL,  
    price DECIMAL(7,2) NOT NULL  
);
```

```
CREATE TABLE baggage_check (  
    baggage_check_id INT NOT NULL,  
    check_result VARCHAR(50) NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL,  
    booking_id INT NOT NULL,  
    passenger_id INT NOT NULL  
);
```

```
CREATE TABLE baggage (  
    baggage_id INT NOT NULL,  
    weight_in_kg DECIMAL(4,2) NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL,  
    booking_id INT NOT NULL  
);
```

```
CREATE TABLE boarding_pass (  
    boarding_pass_id INT NOT NULL,  
    booking_id INT NOT NULL,  
    seat VARCHAR(50) NOT NULL,  
    boarding_time TIMESTAMP NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL  
);
```

```
CREATE TABLE booking_flight (  
    booking_flight_id INT NOT NULL,  
    booking_id INT NOT NULL,  
    flight_id INT NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL  
);
```

```
CREATE TABLE security_check (  
    security_check_id INT NOT NULL,  
    check_result VARCHAR(20) NOT NULL,  
    created_at TIMESTAMP NOT NULL,  
    updated_at TIMESTAMP NOT NULL,  
    passenger_id INT NOT NULL  
);
```

-- Primary Keys

```
ALTER TABLE airline ADD CONSTRAINT pk_airline PRIMARY KEY (airline_id);  
ALTER TABLE airport ADD CONSTRAINT pk_airport PRIMARY KEY (airport_id);  
ALTER TABLE passengers ADD CONSTRAINT pk_passengers PRIMARY KEY (passenger_id);  
ALTER TABLE flights ADD CONSTRAINT pk_flights PRIMARY KEY (flight_id);  
ALTER TABLE booking ADD CONSTRAINT pk_booking PRIMARY KEY (booking_id);  
ALTER TABLE baggage_check ADD CONSTRAINT pk_baggage_check PRIMARY KEY  
(baggage_check_id);  
ALTER TABLE baggage ADD CONSTRAINT pk_baggage PRIMARY KEY (baggage_id);  
ALTER TABLE boarding_pass ADD CONSTRAINT pk_boarding_pass PRIMARY KEY  
(boarding_pass_id);  
ALTER TABLE booking_flight ADD CONSTRAINT pk_booking_flight PRIMARY KEY  
(booking_flight_id);  
ALTER TABLE security_check ADD CONSTRAINT pk_security_check PRIMARY KEY  
(security_check_id);
```

-- Foreign Key Relationships with DELETE CASCADE

```
ALTER TABLE security_check  
ADD CONSTRAINT fk_security_check_passenger  
FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE  
CASCADE;
```

```
ALTER TABLE booking  
ADD CONSTRAINT fk_booking_passenger  
FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE  
CASCADE;
```

```
ALTER TABLE baggage_check  
ADD CONSTRAINT fk_baggage_check_passenger  
FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE  
CASCADE;
```

```
ALTER TABLE baggage_check  
ADD CONSTRAINT fk_baggage_check_booking  
FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;
```

```
ALTER TABLE baggage
ADD CONSTRAINT fk_baggage_booking
FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;
```

```
ALTER TABLE boarding_pass
ADD CONSTRAINT fk_boarding_pass_booking
FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;
```

```
ALTER TABLE booking_flight
ADD CONSTRAINT fk_booking_flight_booking
FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;
```

```
ALTER TABLE booking_flight
ADD CONSTRAINT fk_booking_flight_flight
FOREIGN KEY (flight_id) REFERENCES flights(flight_id) ON DELETE CASCADE;
```

```
ALTER TABLE booking
ADD CONSTRAINT fk_booking_flight
FOREIGN KEY (flight_id) REFERENCES flights(flight_id) ON DELETE CASCADE;
```

```
ALTER TABLE flights
ADD CONSTRAINT fk_flights_departing_airport
FOREIGN KEY (departing_airport_id) REFERENCES airport(airport_id) ON DELETE
CASCADE;
```

```
ALTER TABLE flights
ADD CONSTRAINT fk_flights_arriving_airport
FOREIGN KEY (arriving_airport_id) REFERENCES airport(airport_id) ON DELETE CASCADE;
```

```
ALTER TABLE flights
ADD CONSTRAINT fk_flights_airline
FOREIGN KEY (airline_id) REFERENCES airline(airline_id) ON DELETE CASCADE;
```

---

```
-- Add a new airline named "KazAir" based in "Kazakhstan" to the airline table
INSERT INTO airline (airline_id, airline_code, airline_name, airline_country, created_at,
updated_at)
VALUES (201, 'KZ', 'KazAir', 'Kazakhstan', NOW(), NOW());
```

```
-- Update the airline country "KazAir" to "Turkey"
UPDATE airline
SET airline_country = 'Turkey', updated_at = NOW()
```

```
WHERE airline_name = 'KazAir';
```

```
-- Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland"
```

```
INSERT INTO airline (airline_id, airline_code, airline_name, airline_country, created_at, updated_at, info)  
VALUES
```

```
(202, 'AE', 'AirEasy', 'France', NOW(), NOW(), 'asdad'),
```

```
(203, 'FH', 'FlyHigh', 'Brazil', NOW(), NOW(), 'asdad'),
```

```
(204, 'FF', 'FlyFly', 'Poland', NOW(), NOW(), 'asdad');
```

```
-- Delete all flights whose arrival in 2024 year
```

```
DELETE FROM flights
```

```
WHERE EXTRACT(YEAR FROM sch_arrival_time) = 2024
```

```
OR EXTRACT(YEAR FROM act_arrival_time) = 2024;
```

```
-- Increase the price of all tickets in booking table for flights by 15%
```

```
UPDATE booking
```

```
SET ticket_price = ticket_price * 1.15,
```

```
updated_at = NOW();
```

```
-- Delete all tickets where price is less than 10000constraints
```

```
DELETE FROM booking
```

```
WHERE ticket_price < 1000;
```