

Query Query History

```
1 CREATE TABLE airline_info (  
2     airline_id SERIAL PRIMARY KEY,  
3     airline_code VARCHAR(30) NOT NULL,  
4     airline_name VARCHAR(50) NOT NULL,  
5     airline_country VARCHAR(50) NOT NULL,  
6     created_at TIMESTAMP NOT NULL,  
7     updated_at TIMESTAMP NOT NULL,  
8     info VARCHAR(50) NOT NULL  
9 );  
10  
11 CREATE TABLE airport (  
12     airport_id SERIAL PRIMARY KEY,  
13     airport_name VARCHAR(50) NOT NULL,  
14     country VARCHAR(50) NOT NULL,  
15     state VARCHAR(50) NOT NULL,  
16     city VARCHAR(50) NOT NULL,  
17     created_at TIMESTAMP NOT NULL,  
18     updated_at TIMESTAMP NOT NULL  
19 );  
20  
21 CREATE TABLE passengers (  
22     passenger_id SERIAL PRIMARY KEY,  
23     first_name VARCHAR(50) NOT NULL,  
24     last_name VARCHAR(50) NOT NULL,  
25     date_of_birth DATE NOT NULL,  
26     gender VARCHAR(50) NOT NULL,  
27     country_of_citizenship VARCHAR(50) NOT NULL,  
28     country_of_residence VARCHAR(50) NOT NULL,  
29     passport_number VARCHAR(20) NOT NULL,  
30     created_at TIMESTAMP NOT NULL,  
31     updated_at TIMESTAMP NOT NULL  
32 );  
33  
34 CREATE TABLE flights (  
35     flight_id SERIAL PRIMARY KEY,  
36     sch_departure_time TIMESTAMP NOT NULL,  
37     sch_arrival_time TIMESTAMP NOT NULL,  
38     departing_airport_id INT NOT NULL,  
39     arriving_airport_id INT NOT NULL,
```

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Query Query History

```
47 );
48
49 CREATE TABLE booking (
50     booking_id SERIAL PRIMARY KEY,
51     flight_id INT NOT NULL,
52     passenger_id INT NOT NULL,
53     booking_platform VARCHAR(50) NOT NULL,
54     created_at TIMESTAMP NOT NULL,
55     updated_at TIMESTAMP NOT NULL,
56     status VARCHAR(50) NOT NULL,
57     price DECIMAL(7,2) NOT NULL
58 );
59
60 CREATE TABLE baggage (
61     baggage_id SERIAL PRIMARY KEY,
62     weight_in_kg DECIMAL(4,2) NOT NULL,
63     created_at TIMESTAMP NOT NULL,
64     updated_at TIMESTAMP NOT NULL,
65     booking_id INT NOT NULL
66 );
67
68 CREATE TABLE baggage_check (
69     baggage_check_id SERIAL PRIMARY KEY,
70     check_result VARCHAR(50) NOT NULL,
71     created_at TIMESTAMP NOT NULL,
72     updated_at TIMESTAMP NOT NULL,
73     booking_id INT NOT NULL,
74     passenger_id INT NOT NULL
75 );
76
77 CREATE TABLE boarding_pass (
78     boarding_pass_id SERIAL PRIMARY KEY,
79     booking_id INT NOT NULL,
80     seat VARCHAR(50) NOT NULL,
81     boarding_time TIMESTAMP NOT NULL,
82     created_at TIMESTAMP NOT NULL,
83     updated_at TIMESTAMP NOT NULL
84 );
85
```

Ножницы

Снимок экрана скопирован в буфер обмена
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Query History

```
86 CREATE TABLE booking_flight (  
87     booking_flight_id SERIAL PRIMARY KEY,  
88     booking_id INT NOT NULL,  
89     flight_id INT NOT NULL,  
90     created_at TIMESTAMPTZ NOT NULL,  
91     updated_at TIMESTAMPTZ NOT NULL  
92 );  
93  
94 CREATE TABLE security_check (  
95     security_check_id SERIAL PRIMARY KEY,  
96     check_result VARCHAR(20) NOT NULL,  
97     created_at TIMESTAMPTZ NOT NULL,  
98     updated_at TIMESTAMPTZ NOT NULL,  
99     passenger_id INT NOT NULL  
100 );  
101  
102 ALTER TABLE airline_info RENAME TO airline;  
103  
104  
105 ALTER TABLE booking RENAME COLUMN price TO ticket_price;  
106  
107  
108 ALTER TABLE flights ALTER COLUMN departing_gate TYPE TEXT;  
109  
110 ALTER TABLE airline DROP COLUMN info;  
111  
112 ALTER TABLE security_check  
113 ADD CONSTRAINT fk_security_passenger FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id);  
114  
115 ALTER TABLE booking  
116 ADD CONSTRAINT fk_booking_passenger FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id),  
117 ADD CONSTRAINT fk_booking_flight FOREIGN KEY (flight_id) REFERENCES flights(flight_id);  
118  
119 ALTER TABLE baggage_check  
120 ADD CONSTRAINT fk_baggage_check_booking FOREIGN KEY (booking_id) REFERENCES booking(booking_id),  
121 ADD CONSTRAINT fk_baggage_check_passenger FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id);  
122  
123 ALTER TABLE baggage  
124 ADD CONSTRAINT fk_baggage_booking FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
```

Total rows: 200 Query complete 00:00:00.112

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No limit

Query Query History

```
123 ALTER TABLE baggage
124 ADD CONSTRAINT fk_baggage_booking FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
125
126 ALTER TABLE boarding_pass
127 ADD CONSTRAINT fk_boarding_booking FOREIGN KEY (booking_id) REFERENCES booking(booking_id);
128
129 ALTER TABLE booking_flight
130 ADD CONSTRAINT fk_bookingflight_booking FOREIGN KEY (booking_id) REFERENCES booking(booking_id),
131 ADD CONSTRAINT fk_bookingflight_flight FOREIGN KEY (flight_id) REFERENCES flights(flight_id);
132
133 ALTER TABLE flights
134 ADD CONSTRAINT fk_flights_depart_airport FOREIGN KEY (departing_airport_id) REFERENCES airport(airport_id),
135 ADD CONSTRAINT fk_flights_arr_airport FOREIGN KEY (arriving_airport_id) REFERENCES airport(airport_id),
136 ADD CONSTRAINT fk_flights_airline FOREIGN KEY (airline_id) REFERENCES airline(airline_id);
137
138 INSERT INTO airport (airport_name, country, state, city, created_at, updated_at)
139 SELECT
140     'Airport_' || i,
141     'Country_' || (i % 50),
142     'State_' || (i % 20),
143     'City_' || (i % 100),
144     NOW(),
145     NOW()
146 FROM generate_series(1, 200) s(i);
147
148 INSERT INTO airline (airline_code, airline_name, airline_country, created_at, updated_at)
149 SELECT
150     'AL' || i,
151     'Airline_' || i,
152     'Country_' || (i % 20),
153     NOW(),
154     NOW()
155 FROM generate_series(1, 200) s(i);
156
157
158 INSERT INTO passengers (first_name, last_name, date_of_birth, gender, country_of_citizenship,
159                        country_of_residence, passport_number, created_at, updated_at)
160 SELECT
161     'Name_' || i,
```

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```
157
158 INSERT INTO passengers (first_name, last_name, date_of_birth, gender, country_of_citizenship,
159                          country_of_residence, passport_number, created_at, updated_at)
160 SELECT
161     'Name_' || i,
162     'Surname_' || i,
163     DATE '1970-01-01' + (i || ' days')::interval,
164     CASE WHEN i % 2 = 0 THEN 'Male' ELSE 'Female' END,
165     'Country_' || (i % 50),
166     'Country_' || (i % 50),
167     'P' || lpad(i::text, 6, '0'),
168     NOW(),
169     NOW()
170 FROM generate_series(1, 200) s(i);
171
172 INSERT INTO flights (sch_departure_time, sch_arrival_time, departing_airport_id, arriving_airport_id,
173                     departing_gate, arriving_gate, airline_id,
174                     act_departure_time, act_arrival_time, created_at, updated_at)
175 SELECT
176     NOW() + (i || ' hours')::interval,
177     NOW() + ((i + 2) || ' hours')::interval,
178     (i % 200) + 1,
179     ((i + 1) % 200) + 1,
180     'Gate_' || i,
181     'Gate_' || (i+1),
182     (i % 200) + 1,
183     NOW() + (i || ' hours')::interval,
184     NOW() + ((i + 2) || ' hours')::interval,
185     NOW(),
186     NOW()
187 FROM generate_series(1, 200) s(i);
188
189 INSERT INTO booking (flight_id, passenger_id, booking_platform, created_at, updated_at, status, tick
190 SELECT
191     (i % 200) + 1,
192     (i % 200) + 1,
193     CASE WHEN i % 3 = 0 THEN 'Website' ELSE 'MobileApp' END,
194     NOW(),
195     NOW(),
```

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```
209 INSERT INTO baggage_check (check_result, created_at, updated_at, booking_id, passenger_id)
210 SELECT
211     CASE WHEN i % 5 = 0 THEN 'Rejected' ELSE 'Approved' END,
212     NOW(),
213     NOW(),
214     (i % 200) + 1,
215     (i % 200) + 1
216 FROM generate_series(1, 200) s(i);
217
218 INSERT INTO boarding_pass (booking_id, seat, boarding_time, created_at, updated_at)
219 SELECT
220     (i % 200) + 1,
221     'Seat_' || (i % 150),
222     NOW() + (i || ' minutes')::interval,
223     NOW(),
224     NOW()
225 FROM generate_series(1, 200) s(i);
226
227 INSERT INTO booking_flight (booking_id, flight_id, created_at, updated_at)
228 SELECT
229     (i % 200) + 1,
230     (i % 200) + 1,
231     NOW(),
232     NOW()
233 FROM generate_series(1, 200) s(i);
234
235
236 INSERT INTO security_check (check_result, created_at, updated_at, passenger_id)
237 SELECT
238     CASE WHEN i % 7 = 0 THEN 'Failed' ELSE 'Passed' END,
239     NOW(),
240     NOW(),
241     (i % 200) + 1
242 FROM generate_series(1, 200) s(i);
243
244
245 INSERT INTO airline (airline_code, airline_name, airline_country, created_at, updated_at)
246 VALUES ('KZ001', 'KazAir', 'Kazakhstan', NOW(), NOW());
247
```

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```
236 INSERT INTO security_check (check_result, created_at, updated_at, passenger_id)
237 SELECT
238     CASE WHEN i % 7 = 0 THEN 'Failed' ELSE 'Passed' END,
239     NOW(),
240     NOW(),
241     (i % 200) + 1
242 FROM generate_series(1, 200) s(i);
243
244
245 INSERT INTO airline (airline_code, airline_name, airline_country, created_at, updated_at)
246 VALUES ('KZ001', 'KazAir', 'Kazakhstan', NOW(), NOW());
247
248
249 UPDATE airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
250
251
252 INSERT INTO airline (airline_code, airline_name, airline_country, created_at, updated_at)
253 VALUES
254 ('FR001', 'AirEasy', 'France', NOW(), NOW()),
255 ('BR001', 'FlyHigh', 'Brazil', NOW(), NOW()),
256 ('PL001', 'FlyFly', 'Poland', NOW(), NOW());
257
258
259 DELETE FROM flights WHERE EXTRACT(YEAR FROM sch_arrival_time) = 2024;
260
261
262 UPDATE booking SET ticket_price = ticket_price * 1.15;
263
264
265 DELETE FROM booking WHERE ticket_price < 10000;
266
267 SELECT *FROM flights;
268
269
270
```

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