

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

1 -- 0. Make a relationship between following tables
2 -- Passengers passenger_id
3 ALTER TABLE Security_check ADD FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id) ON DELETE CASCADE;
4
5 ALTER TABLE Booking ADD FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id) ON DELETE CASCADE;
6
7 ALTER TABLE Baggage_check ADD FOREIGN KEY (passenger_id) REFERENCES Passengers(passenger_id) ON DELETE CASCADE;
8
9 -- Booking booking_id
10 ALTER TABLE Baggage_check ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
11
12 ALTER TABLE Baggage ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
13
14 ALTER TABLE Boarding_pass ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
15
16 ALTER TABLE Booking_flight ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
17
18 -- Flights flight_id
19 ALTER TABLE Booking_flight ADD FOREIGN KEY (flight_id) REFERENCES Flights(flight_id) ON DELETE CASCADE;
20
21 -- Airport airport_id
22 ALTER TABLE Flights ADD FOREIGN KEY (departure_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
23
24 -- Airport airport_id
25 ALTER TABLE Flights ADD FOREIGN KEY (arrival_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
26
27 -- Airline airline_id
28 ALTER TABLE Flights ADD FOREIGN KEY (airline_id) REFERENCES Airline(airline_id) ON DELETE CASCADE;
29
30 -- 2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
31 INSERT INTO Airline (airline_id, airline_code, airline_name, airline_country, created_at, update_at)

```

Scratch Pad

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 39 msec.

Total rows: 0 of 0 Query complete 00:00:00.039

Ln 1, Col 1

Activate Windows
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24°C Mostly cloudy 5:48 PM 10/3/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```
5239 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (468, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5240 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (469, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5241 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (470, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5242 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (471, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5243 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (472, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5244 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (473, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5245 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (474, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5246 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (475, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5247 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (476, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5248 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (477, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5249 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (478, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5250 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (479, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5251 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (480, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5252 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (481, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5253 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (482, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5254 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (483, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5255 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (484, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5256 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (485, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5257 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (486, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5258 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (487, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5259 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (488, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5260 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (489, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5261 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (490, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5262 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (491, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5263 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (492, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5264 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (493, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5265 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (494, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5266 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (495, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5267 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (496, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5268 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (497, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5269 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (498, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5270 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (499, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
5271 insert into security_check (security_check_id, check_result, created_at, update_at, passenger_id) values (500, 'OK', '2024-10-03 15:47:00', '2024-10-03 15:47:00', 1)
```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 369 msec.

Total rows: 0 of 0 Query complete 00:00:00.369

Ln 1, Col 57

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pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

11
12 ALTER TABLE Baggage ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
13
14 ALTER TABLE Boarding_pass ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
15
16 ALTER TABLE Booking_flight ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
17
18 -- Flights flight_id
19 ALTER TABLE Booking_flight ADD FOREIGN KEY (flight_id) REFERENCES Flights(flight_id) ON DELETE CASCADE;
20
21 -- Airport airport_id
22 ALTER TABLE Flights ADD FOREIGN KEY (departure_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
23
24 -- Airport airport_id
25 ALTER TABLE Flights ADD FOREIGN KEY (arrival_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
26
27 -- Airline airline_id
28 ALTER TABLE Flights ADD FOREIGN KEY (airline_id) REFERENCES Airline(airline_id) ON DELETE CASCADE;
29
30 -- 2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
39
40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)

```

Data Output Messages Notifications

INSERT 0 1

Query returned successfully in 38 msec.

Total rows: 0 of 0 Query complete 00:00:00.038

Ln 30, Col 1

Activate Windows
Go to Settings to activate Windows

OMN - NEP
Game score

ENG

5:51 PM
10/3/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

16 ALTER TABLE Booking_flight ADD FOREIGN KEY (booking_id) REFERENCES Booking(booking_id) ON DELETE CASCADE;
17
18 -- Flights flight_id
19 ALTER TABLE Booking_flight ADD FOREIGN KEY (flight_id) REFERENCES Flights(flight_id) ON DELETE CASCADE;
20
21 -- Airport airport_id
22 ALTER TABLE Flights ADD FOREIGN KEY (departure_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
23
24 -- Airport airport_id
25 ALTER TABLE Flights ADD FOREIGN KEY (arrival_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
26
27 -- Airline airline_id
28 ALTER TABLE Flights ADD FOREIGN KEY (airline_id) REFERENCES Airline(airline_id) ON DELETE CASCADE;
29
30 -- 2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
39
40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)
42 VALUES
43 (9999,'AE', 'AirEasy', 'France', '2024-09-21', '2024-09-26'),
44 (10000,'FH', 'FlyHigh', 'Brazil', '2024-09-22', '2024-09-27'),
45 (10001,'FF', 'FlyFly', 'Poland', '2024-09-23', '2024-09-28');
46

```

Scratch Pad

Data Output Messages Notifications

UPDATE 1

Query returned successfully in 94 msec.

Total rows: 0 of 0 Query complete 00:00:00.094

Ln 34, Col 1

Activate Windows
Go to Settings to activate Windows
✓ Query returned successfully in 94 msec. ✕

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Casts
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

21 -- Airport airport_id
22 ALTER TABLE Flights ADD FOREIGN KEY (departure_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
23
24 -- Airport airport_id
25 ALTER TABLE Flights ADD FOREIGN KEY (arrival_airport_id) REFERENCES Airport(airport_id) ON DELETE CASCADE;
26
27 -- Airline airline_id
28 ALTER TABLE Flights ADD FOREIGN KEY (airline_id) REFERENCES Airline(airline_id) ON DELETE CASCADE;
29
30 -- 2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
39
40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)
42 VALUES
43 (9999,'AE', 'AirEasy', 'France', '2024-09-21', '2024-09-26'),
44 (10000,'FH', 'FlyHigh', 'Brazil', '2024-09-22', '2024-09-27'),
45 (10001,'FF', 'FlyFly', 'Poland', '2024-09-23', '2024-09-28');
46
47 -- 6. Delete all flights whose arrival in 2024 year.
48 DELETE FROM Flights WHERE EXTRACT(YEAR FROM scheduled_arrival) = 2024;
49
50 -- 7. Increase the price of all tickets in booking table for flights by 10%.
51 UPDATE Booking SET price = price * 1.10;

```

Scratch Pad

Data Output Messages Notifications

DELETE 0

Query returned successfully in 98 msec.

Total rows: 0 of 0 Query complete 00:00:00.098

Ln 37, Col 1

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pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

26
27 -- Airline airline_id
28 ALTER TABLE Flights ADD FOREIGN KEY (airline_id) REFERENCES Airline(airline_id) ON DELETE CASCADE;
29
30 -- 2. Add a new airline named "KazAir" based in "Kazakhstan" to the airline table.
31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
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40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)
42 VALUES
43 (9999,'AE', 'AirEasy', 'France', '2024-09-21', '2024-09-26'),
44 (10000,'FH', 'FlyHigh', 'Brazil', '2024-09-22', '2024-09-27'),
45 (10001,'FF', 'FlyFly', 'Poland', '2024-09-23', '2024-09-28');
46
47 -- 6. Delete all flights whose arrival in 2024 year.
48 DELETE FROM Flights WHERE EXTRACT(YEAR FROM scheduled_arrival) = 2024;
49
50 -- 7. Increase the price of all tickets in booking table for flights by 10%.
51 UPDATE Booking SET price = price * 1.10;
52
53 -- 8. Delete all tickets whose price is less than 1000 units.
54 DELETE FROM Booking WHERE price < 1000;
55
56 update booking set price = price *0.5;

```

Scratch Pad

Data Output Messages Notifications

INSERT 0 3

Query returned successfully in 35 msec.

Total rows: 0 of 0 Query complete 00:00:00.035 Ln 40, Col 1

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5:52 PM
10/3/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

No limit

Query Query History

```

31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
39
40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)
42 VALUES
43 (9999,'AE', 'AirEasy', 'France', '2024-09-21', '2024-09-26'),
44 (10000,'FH', 'FlyHigh', 'Brazil', '2024-09-22', '2024-09-27'),
45 (10001,'FF', 'FlyFly', 'Poland', '2024-09-23', '2024-09-28');
46
47 -- 6. Delete all flights whose arrival in 2024 year.
48 DELETE FROM Flights WHERE EXTRACT(YEAR FROM scheduled_arrival) = 2024;
49
50 -- 7. Increase the price of all tickets in booking table for flights by 10%.
51 UPDATE Booking SET price = price * 1.10;
52
53 -- 8. Delete all tickets whose price is less than 1000 units.
54 DELETE FROM Booking WHERE price < 1000;
55
56 update booking set price = price *0.5;
57
58 delete from passengers where extract(year from date_of_birth) > 2015;
59
60
61

```

Scratch Pad

Data Output Messages Notifications

DELETE 192

Query returned successfully in 54 msec.

Total rows: 0 of 0 Query complete 00:00:00.054

Ln 47, Col 1

Activate Windows
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Rain showers
Next Monday

ENG

5:53 PM
10/3/2024

pgAdmin 4

File Object Tools Help

Object Explorer

- Servers (2)
 - PostgreSQL 16
 - PostgreSQL 17
 - Databases (2)
 - Lab_1
 - Cast
 - Catalogs
 - Event Triggers
 - Extensions
 - Foreign Data Wrappers
 - Languages
 - Publications
 - Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (10)
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Trigger Functions
 - Types

Dashboard Properties SQL Statistics Dependencies Dependents Processes lab1.sql delete_all.sql airport_db.sql lab2.sql* lab3.sql

Lab_1/postgres@PostgreSQL 17

Query Query History

```

31 INSERT INTO Airline (airline_id,airline_code, airline_name, airline_country, created_at, update_at)
32 VALUES (9998,'KZ', 'KazAir', 'Kazakhstan', '2024-09-20', '2024-09-25');
33
34 -- 3. Update the airline country "KazAir" to "Turkey".
35 UPDATE Airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
36
37 -- 4. Remove the airline named "SIT" from the airline table.
38 DELETE FROM Airline WHERE airline_name = 'SIT';
39
40 -- 5. Add three airlines at once: "AirEasy" in "France", "FlyHigh" in "Brazil" and "FlyFly" in "Poland".
41 INSERT INTO Airline (airline_id ,airline_code, airline_name, airline_country, created_at, update_at)
42 VALUES
43 (9999,'AE', 'AirEasy', 'France', '2024-09-21', '2024-09-26'),
44 (10000,'FH', 'FlyHigh', 'Brazil', '2024-09-22', '2024-09-27'),
45 (10001,'FF', 'FlyFly', 'Poland', '2024-09-23', '2024-09-28');
46
47 -- 6. Delete all flights whose arrival in 2024 year.
48 DELETE FROM Flights WHERE EXTRACT(YEAR FROM scheduled_arrival) = 2024;
49
50 -- 7. Increase the price of all tickets in booking table for flights by 10%.
51 UPDATE Booking SET price = price * 1.10;
52
53 -- 8. Delete all tickets whose price is less than 1000 units.
54 DELETE FROM Booking WHERE price < 1000;
55
56 update booking set price = price *0.5;
57
58 delete from passengers where extract(year from date_of_birth) > 2015;
59
60
61

```

Scratch Pad

Data Output Messages Notifications

DELETE 192

Query returned successfully in 54 msec.

Total rows: 0 of 0 Query complete 00:00:00.054

Ln 50, Col 1

Activate Windows
Go to Settings to activate Windows.

Rain showers
Next Monday

ENG

5:53 PM
10/3/2024

pgAdmin 4

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 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
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 - Functions
 - Materialized Views
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Lab_1/postgres@PostgreSQL 17

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55
56 update booking set price = price *0.5;
57
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59
60
61

```

Scratch Pad

Data Output Messages Notifications

DELETE 56

Query returned successfully in 39 msec.

Total rows: 0 of 0 Query complete 00:00:00.039

Ln 53, Col 1

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Search, File Explorer, Edge, Chrome, VS Code, etc.

System tray: Rain showers Next Monday, ENG, 5:53 PM 10/3/2024