

LD Lab 2 DB

Version control

Database Explorer

postgres@localhost

postgres

lab2

tables

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

lab2

console_5

SELECT UPPER(airline_name) AS airline_name_uppercase

FROM airline;

Services

Database

postgres@localhost

console_5 389 ms

Output

airline_name_uppercase:text

airline_name_uppercase

197 AIRLINE_197

198 AIRLINE_198

199 AIRLINE_199

200 AIRLINE_200

201 KAZAIR

202 AIREASY

203 FLYHIGH

204 FLYFLY

205 KAZAIR1

206 KAZAIR2

207 KAZAIR3

208 KAZAIR4

208 rows

Database Consoles

postgres@localhost

console_5

3:1

LF

UTF-8

4 spaces

LD Lab 2 DB

Version control

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postgres@localhost

postgres

lab2

tables

airline

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passengers

security_check

lab2

console_5

SELECT REPLACE(airline_name, 'Air', 'Aero') AS modified_airline_name

FROM airline;

✓

Services

Tx

Database

postgres@localhost

console_5 353 ms

Output

modified_airline_name:text

modified_airline_name

1 Aeroline_1

2 Aeroline_2

3 Aeroline_3

4 Aeroline_4

5 Aeroline_5

6 Aeroline_6

7 Aeroline_7

8 Aeroline_8

9 Aeroline_9

10 Aeroline_10

11 Aeroline_11

12 Aeroline_12

208 rows

Database Consoles

postgres@localhost

console_5

2:14

LF

UTF-8

4 spaces

LD Lab 2 DB

Version control

Database Explorer

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postgres

lab2

tables

airline

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lab2

console_5

1

2

3

4

SELECT DISTINCT f.flight_id

FROM flights f

WHERE f.airline_id = 1

AND f.flight_id IN (SELECT flight_id FROM flights WHERE airline_id = 2);

✓

Services

Tx

Database

postgres@localhost

console_5 344 ms

Output

postgres.lab2.flights

flight_id

0 rows

Database Consoles

postgres@localhost

console_5

4:75

LF

UTF-8

4 spaces

LD Lab 2 DB Version control

Database Explorer

postgres@localhost

postgres

lab2

tables

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

lab2 console_5 airport

SELECT airport_name

FROM airport

WHERE airport_name ILIKE '%Air%'

OR airport_name ILIKE '%Reginal%';

postgres.lab2

Services

Database

postgres@localhost

console_5 352 ms

airport 392 ms

Output postgres.lab2.airport

airport_name

1 Airport_1

2 Airport_2

3 Airport_3

4 Airport_4

5 Airport_5

6 Airport_6

7 Airport_7

8 Airport_8

9 Airport_9

10 Airport_10

11 Airport_11

12 Airnort 12

200 rows

Database Consoles > postgres@localhost > console_54:38 LF UTF-8 4 spaces

LD Lab 2 DB

Version control

Database Explorer

postgres@localhost

postgres

lab2

tables

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

lab2

console_5

airport

SELECT first_name || ' ' || last_name AS full_name,

TO_CHAR(date_of_birth, 'Month DD, YYYY') AS formatted_birth_date

FROM passengers;

1

2

3

✓

Services

Tx

Database

postgres@localhost

console_5 349 ms

airport 392 ms

Output

Result 26

full_name

formatted_birth_date

192

Name_192 Surname_192

July 11, 1980

193

Name_193 Surname_193

July 12, 1980

194

Name_194 Surname_194

July 13, 1980

195

Name_195 Surname_195

July 14, 1980

196

Name_196 Surname_196

July 15, 1980

197

Name_197 Surname_197

July 16, 1980

198

Name_198 Surname_198

July 17, 1980

199

Name_199 Surname_199

July 18, 1980

200

Name_200 Surname_200

July 19, 1980

201

AAA BBB

January 01, 2001

202

ТОТЯ ТОТЯ

January 01, 1990

203

Тайлер Тайлер

May 12, 1985

203 rows

Database Consoles

postgres@localhost

console_5

2:32

LF

UTF-8

4 spaces

LD Lab 2 DB ▾

Version control ▾

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Database Explorer

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📁

DDL

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👁️

postgres@localhost

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

public

lab2

console_5

airport

▶️🕒Ⓜ️⚙️📄Tx: Auto ▾Playground ▾

postgres.lab2 ▾

1 ✓

2

3

SELECT flight_id

FROM flights

WHERE act_arrival_time > sch_arrival_time;

✓

Services

Tx

+

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✕

Database

postgres@localhost

console_5 385 ms

airport 392 ms

Output

postgres.lab2.flights

🗄️📊↺🕒Ⓜ️+−↶👁️⬆️Tx: Auto ▾DDL🔗🔍📄🔗

CSV ▾⬇️⬆️↩️👁️⚙️

flight_id 🔍

1

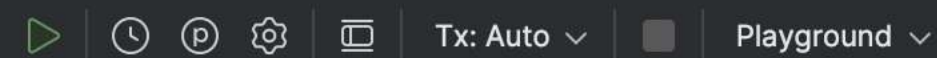
999

1 row ▾⋮

Database Consoles > postgres@localhost > console_5

3:43 LF UTF-8 4 spaces 🔗🔔

lab2 console_5 × airport



✓ Lab 2 DB

```
1 ✓ SELECT first_name || ' ' || last_name AS full_name,  
2     CASE  
3         WHEN EXTRACT(YEAR FROM age(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'  
4         WHEN EXTRACT(YEAR FROM age(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'  
5         ELSE 'Other'  
6     END AS age_group  
7 FROM passengers;
```





—

Output Result 31



✓ postgres@localhost

 airport 392 ms

	<input type="text"/> full_name 	<input type="text"/> age_group 
192	Name_192 Surname_192	Adult
193	Name_193 Surname_193	Adult
194	Name_194 Surname_194	Adult
195	Name_195 Surname_195	Adult
196	Name_196 Surname_196	Adult
197	Name_197 Surname_197	Adult
198	Name_198 Surname_198	Adult
199	Name_199 Surname_199	Adult
200	Name_200 Surname_200	Adult
201	AAA BBB	Young
202	ТОТЯ ТОТЯ	Young
203	Тайлер Тайлер	Adult

203 rows

LD Lab 2 DB

Version control

Database Explorer

postgres@localhost

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

public

lab2

console_5

airport

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DDL

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postgres@localhost

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

public

1

2

3

4

5

6

7

SELECT booking_id, ticket_price,

CASE

WHEN ticket_price < 5000 THEN 'Cheap'

WHEN ticket_price BETWEEN 5000 AND 10000 THEN 'Medium'

WHEN ticket_price > 10000 THEN 'Expensive'

END AS price_category

FROM booking;

✓

Services

Tx

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Database

postgres@localhost

console_5 354 ms

airport 392 ms

Output

Result 32

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🔗

🔗

CSV

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👁

⚙

booking_id

ticket_price

price_category

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

11501.15

11502.30

11503.45

11504.60

11505.75

11506.90

11508.05

11509.20

11510.35

11511.50

11512.65

11513.80

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

Expensive

200 rows

⋮

Database Consoles

postgres@localhost

console_5

7:14

LF

UTF-8

4 spaces

🔗

🔔

LD Lab 2 DBVersion control

Database Explorer

postgres@localhostlab2tables10> airline> airport> baggage> baggage_check> boarding_pass> booking> booking_flight> flights> passengers> security_check> public

ServicesTxDatabase> postgres@localhost> console_5 378 ms> airport 392 ms

lab2console_5airport

playbtnstopbtnrefreshbtnplaybtnTx: AutoPlayground

SELECT airline_country, COUNT(airline_name) AS airline_countFROM airlineGROUP BY airline_country;

OutputResult 33

airline_countryairline_count

1Turkey1

2Country_320

3Country_120

4Country_920

5Country_620

6Country_520

7France1

8Country_420

9Brazil1

10Kazakhstan4

11Country_8

12Poland1

Database Consoles > postgres@localhost > console_53:26 LF UTF-8 4 spaces

LD Lab 2 DB Version control

Database Explorer

postgres@localhost

lab2

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

flights

passengers

security_check

public

lab2 console_5 airport

play

clock

prohibit

gear

terminal

Tx: Auto

Playground

postgres.lab2

1 SELECT flight_id

2 FROM flights

3 WHERE act_arrival_time > sch_arrival_time;

Services

Tx

Database

postgres@localhost

console_5 353 ms

airport 392 ms

Output postgres.lab2.flights

table

chart

refresh

clock

stop

+

-

undo

redo

up

Tx: Auto

DDL

pin

search

copy

download

CSV

download

upload

undo

redo

gear

flight_id

1 999

1 row

Database Consoles > postgres@localhost > console_5 3:43 LF UTF-8 4 spaces