

Database Explorer

1.sql

+ ⏷ ⏵ ⏶ ⏹ DDL ⏷

postgres@localhost 2 of 3

lab2_db 3

information_schema

pg_catalog

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

booking

booking_flight

1. SELECT UPPER(airline_name) AS airline_name_upper
2. FROM airline;
3.
4.
5. UPDATE airline
6. SET airline_name = REPLACE(airline_name, 'Air', 'Aero');
7. ✓ SELECT airline.airline_name from airline;

Services

Tx + ⏷ ⏵ ⏶ ⏹

Database

postgres@localhost

1.sql 518 ms

Output lab2_db.public.airline

airline_name

Aeroméxico
American Aerolines
Aeroméxico
South African Aeroways
Ethiopian Aerolines
KazAero
AeroEasy
FlyHigh
FlyFly

9 rows

Database Explorer

1.sql

+ DDL

postgres@localhost 2 of 3

lab2_db [3]

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1 ✓ SELECT UPPER(airline_name) AS airline_name_upper
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7 SELECT airline.airline_name from airline;

Services

Tx + ⌂ | ⌂ X

Database

postgres@localhost

1.sql 515 ms

Output airline_name_upper:text

airline_name_upper

1	AEROMÉXICO
2	AMERICAN AEROLINES
3	AEROMÉXICO
4	SOUTH AFRICAN AEROWAYS
5	ETHIOPIAN AEROLINES
6	KAZAERO
7	AEROEASY
8	FLYHIGH
9	FLYFLY

9 rows

+ ⌂ ⌂ DDL | ⌂

D | ⌂ ⌂ ⌂ Tx: Auto | ⌂ Playground

lab2_db.public | postgres@localhost | > Lab3

postgres@localhost 2 of 3

lab2_db 3

information_schema

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booking_flight

flights

passengers

9 SELECT * FROM flights
10 WHERE flight_id = 1
11 INTERSECT
12 SELECT flight_id * FROM flights
13 WHERE airline_id = 2;
14
15 ✓ SELECT *
16 FROM airport
17 WHERE airport_name ILIKE '%Reginal%'
18 AND airport_name ILIKE '%Air%';
19

Services

Tx + ⌂ ⌂ | ⌂ ⌂

Database

postgres@localhost

1.sql 519 ms

Output lab2_db.public.airport

airport_id | airport_name | country | state | city | created_at | updated_at

0 rows | ⌂

> Lab 4

1.5

Scratch

DDL | Tx: Auto | Playground | lab2_db.public | postgres@localhost | Lab3

+

postgres@localhost 2 of 3

lab2_db 3

information_schema

pg_catalog

public

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boarding_pass

booking

booking_flight

flights

passengers

SELECT first_name || ' ' || last_name AS full_name,
TO_CHAR(date_of_birth, 'Month DD, YYYY') AS birth_formatted
FROM passengers
ORDER BY date_of_birth;

SELECT flight_id from flights
WHERE act_arrival_time is not null
AND sch_arrival_time is not null
and act_arrival_time > sch_arrival_time;

Services

Tx + ⏪ ⏴ ⏵ ⏷ ⏸

Database

postgres@localhost

1.sql 465 ms

Output lab2_db.public.flights

flight_id

flight_id	
1	5
2	9
3	11
4	13
5	15
6	16
7	19

7 rows

Services

The screenshot shows the pgAdmin interface. At the top, there's a toolbar with icons for Tx, a plus sign, an eye, a square, a dropdown arrow, and a close button. Below the toolbar, a sidebar has a folder icon followed by the text "Database". Under "Database", there's another folder icon followed by "postgres@localhost". At the bottom of the sidebar, there's a dark bar with a cylinder icon, the text "1.sql", and "563 ms".

Output Result 8

full_name birth_formatted

	full_name	birth_formatted
1	Delilah Bartos	October 02, 2024
2	Guy Tomasoni	October 10, 2024
3	Reggie Flintoff	October 18, 2024
4	Brose Janoch	November 11, 2024
5	Eunice Holliar	December 09, 2024
6	Wendie Kitchenside	December 11, 2024
7	Ginnie Rainbird	December 11, 2024
8	Dido Brushfield	December 22, 2024
9	Katuscha Higgoe	January 09, 2025
10	Alick Kleinbaum	January 15, 2025

Services

A screenshot of a PostgreSQL client interface. At the top, there's a toolbar with icons for Tx, +, eye, cut, up, down, and close. Below the toolbar is a navigation pane with a folder icon followed by 'Database'. Under 'Database', there's another folder icon followed by 'postgres@localhost'. A tooltip or status bar at the bottom shows a disk icon, '1.sql', and '487 ms'.

Services

DDL | Tx: Auto | Playground | lab2_db.public | postgres@localhost | Lab3 C:\Users\amina\D | lab 4 C:\Users\amina\D | 1.sql[postgres@localhost] | Scratches and Consoles

+

postgres@localhost 2 of 3

lab2_db 3

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ORDER BY ticket_price,

54

55

56 ✓ SELECT airline_country, COUNT(*) AS airlines_count

57 FROM airline

58 GROUP BY airline_country

59 ORDER BY airlines_count DESC, airline_country;|

60

61

62

63

64

Services

Tx + ⚡ | ⌂ ✎

Database

postgres@localhost

1.sql 480 ms

Output Result 12 ×

airline_country | airlines_count

airline_country	airlines_count
Argentina	1
Brazil	1
France	1
Japan	1
Philippines	1
Poland	1
Sweden	1
Thailand	1
Turkey	1

9 rows ▾

Database Explorer

1.sql x

+ DDL | Tx: Auto | Playground | lab2_db.public | postgres@localhost

postres@localhost 2 of 3

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booking_flight

flights

passengers

1.sql

61 ✓ SELECT flight_id,
62 sch_arrival_time,
63 act_arrival_time,
64 (act_arrival_time - sch_arrival_time) AS delay
65 FROM flights
66 WHERE act_arrival_time > sch_arrival_time
67 ORDER BY delay DESC;

1 1

Files

Lab3 C:\Users\amina\D

lab 4 C:\Users\amina\D

1.sql [postgres@localhost]

Scratches and Consoles

Services

Tx + ⌂ | ⌂ x

Database

postgres@localhost

1.sql 515 ms

Output Result 13 x

flight_id sch_arrival_time act_arrival_time delay

flight_id	sch_arrival_time	act_arrival_time	delay
9	2024-10-03 00:00:00.000000	2025-07-09 00:00:00.000000	0 years 0 mons 279 days 0 hours 0 mins 0.0
16	2024-12-10 00:00:00.000000	2025-06-26 00:00:00.000000	0 years 0 mons 198 days 0 hours 0 mins 0.0
13	2024-10-01 00:00:00.000000	2025-03-24 00:00:00.000000	0 years 0 mons 174 days 0 hours 0 mins 0.0
5	2025-04-04 00:00:00.000000	2025-08-11 00:00:00.000000	0 years 0 mons 129 days 0 hours 0 mins 0.0
11	2025-03-20 00:00:00.000000	2025-06-24 00:00:00.000000	0 years 0 mons 96 days 0 hours 0 mins 0.0
19	2025-06-20 00:00:00.000000	2025-07-17 00:00:00.000000	0 years 0 mons 27 days 0 hours 0 mins 0.0
15	2025-02-07 00:00:00.000000	2025-02-13 00:00:00.000000	0 years 0 mons 6 days 0 hours 0 mins 0.0