

firstprVersion control

Database Explorer

postgres@localhost [2] 3 of 7

lab2

information_schema

pg_catalog

public

tables 10

airline

airport

baggage

baggage_check

boarding_pass

lab3

console_5

console_8

console_10

console_9

lab3

airport_db.sql

console_7

console_6

console

lab2:public

firstpr

Scratch

Data

po

1

--LAB3

2

3

SELECT * FROM passengers WHERE first_name = last_name;

4

Services

Output

postgres.public.passengers

passenger_id

first_name

last_name

date_of_birth

gender

country_of_citizenship

country_of_residence

passenger_id

1

103

MARAT

MARAT

1965-12-20

Male

Cayman Islands

Dominican Republic

71070

2

104

ALIKHAN

ALIKHAN

1965-12-20

Male

Cayman Islands

Dominican Republic

71070

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Database Consoles

postgres@localhost [2]

lab3

3:1 (54 chars)

CRLF

UTF-8

4 spaces

18:12

02.10.2024

firstpr Version control

Database Explorer

- postgres@localhost [2] 3 of 7
 - db 3
 - lab2 3
 - information_schema
 - pg_catalog

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6 consol

```
1 --LAB3
2 --1
3 SELECT * FROM passengers WHERE first_name = last_name;
4 --2
5 ✓ SELECT DISTINCT last_name FROM passengers;
```

Services

Output --2 x

last_name

1	Graham
2	MARAT
3	Archer
4	Powell
5	ALIKHAN
6	Rios
7	Castro
8	Matthews
9	Thompson
10	Thomas
11	Mosley
12	Cain
13	Suarez
14	Taylor

Database Consoles > postgres@localhost [2] > lab3

5:43 CRLF UTF-8 4 spaces

18:18 02.10.2024

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Database Explorer

postgres@localhost [2]

- booking_flight
- flights
- passengers
 - columns 10
 - passenger_id integer
 - first_name varchar(50)

Services

Output --3 x

17 rows

	passenger_id	first_name	last_name	date_of_birth	gender	country_of_citizenship	country_of_residence	
1	1	Katherine	Thomas	1998-02-07	Male	Saint Martin	Dominica	353
2	2	Molly	Kennedy	1993-04-25	Male	Micronesia	Samoa	289
3	6	Aaron	Wells	1994-07-14	Male	Belize	Bahamas	231
4	8	Katrina	Barajas	1997-06-26	Male	Armenia	Libyan Arab Jamahiriya	794
5	13	Valerie	Campbell	1995-09-23	Male	Slovenia	Guinea-Bissau	811
6	19	Haley	Hanson	1990-03-18	Male	Western Sahara	Gambia	696
7	23	Nicholas	Heath	1999-01-08	Male	Switzerland	Bouvet Island (Bouvetoya)	857
8	32	Angela	Kirk	1995-01-09	Male	United States of America	Cuba	265
9	57	Sandra	Archer	1995-12-03	Male	Hungary	Mauritius	765
10	59	KayLee	Haley	1999-05-06	Male	Eritrea	Nicaragua	258
11	60	Kevin	Burgess	1997-11-29	Male	United States Virgin Islands	Congo	856
12	74	Lacey	Parks	1991-06-20	Male	Japan		560
13	74	Chase	Hanuy	2000-12-25	Male	Nigeria		753

Database Consoles > postgres@localhost [2] > lab3

7:138 CRLF UTF-8 4 spaces

21°

Search

18:21 02.10.2024

ENG

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Database Explorer

postgres@localhost [2]

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
 - columns
 - keys

Services

Database Consoles > postgres@localhost [2] > lab3

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6 consol

lab2:public

1 --LAB3
2 --1
3 SELECT * FROM passengers WHERE first_name = last_name;
4 --2
5 SELECT DISTINCT last_name FROM passengers;
6 --3
7 SELECT * FROM passengers WHERE gender = 'Male' AND EXTRACT(YEAR FROM date_of_birth) >= 1990 AND EXTRACT(YEAR FROM date_of_birth) <=
8 --4
9 SELECT ticket_price, EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;

Output --4 x

100 rows

CSV

	ticket_price	month
1	153.92	1
2	180.46	1
3	306.08	1
4	319.85	1
5	356.20	1
6	374.66	1
7	434.86	1
8	453.97	1
9	469.41	1
10	482.92	1
11	496.39	1
12	177.65	2

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19°

Search

ENG 19:00 02.10.2024

Database Explorer

postgres@localhost [2]

- booking_flight
- flights
 - columns 17
 - flight_id integer
 - sch_departure_time timestamp
 - sch_arrival_time timestamp
 - departing_airport_id integer
 - arriving_airport_id integer
 - departing_gate text
 - arriving_gate varchar(50)
 - airline_id integer
 - act_departure_time timestamp
 - act_arrival_time timestamp
 - created_at timestamp
 - updated_at timestamp

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6

Tx: Auto Playground lab2-public

```
3 SELECT * FROM passengers WHERE first_name = last_name;
4 --2
5 SELECT DISTINCT last_name FROM passengers;
6 --3
7 SELECT * FROM passengers WHERE gender = 'Male' AND EXTRACT(YEAR FROM date_of_birth) >= 1990 AND EXTRACT(YEAR FROM date_of_
8 --4
9 SELECT ticket_price , EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;
10 --5
11 SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name, city, country
12 FROM flights
13 JOIN airport ON arriving_airport_id = airport_id
14 WHERE country = 'China';
15
```

Services

Tx Output Result 18 x

3 rows

	flight_id	sch_departure_time	sch_arrival_time	airport_name	city	country
1	104	2020-08-09 14:44:46.000000	2020-04-20 05:51:53.000000	Melvinbury Airport	Mitchellstad	China
2	105	2021-07-30 22:08:44.000000	2020-09-10 15:16:58.000000	East Stacy Airport	Osbornside	China
3	106	2021-01-02 13:54:45.000000	2020-06-05 14:53:33.000000	Johnsonland Airport	East Anthonyfurt	China

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Database Consoles > postgres@localhost [2] > lab3 11:1 (189 chars, 3 line breaks) CRLF UTF-8 4 spaces 00:27 03.10.2024

Database Explorer

postgres@localhost [2]

- booking_flight
- flights
 - columns 17
 - flight_id integer
 - sch_departure_time timestamp
 - sch_arrival_time timestamp
 - departing_airport_id integer
 - arriving_airport_id integer
 - departing_gate text
 - arriving_gate varchar(50)
 - airline_id integer
 - act_departure_time timestamp
 - act_arrival_time timestamp
 - created_at timestamp
 - updated_at timestamp

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6

lab2:public

Tx: Auto Playground

```
3 SELECT * FROM passengers WHERE first_name = last_name;
4 --2
5 SELECT DISTINCT last_name FROM passengers;
6 --3
7 SELECT * FROM passengers WHERE gender = 'Male' AND EXTRACT(YEAR FROM date_of_birth) >= 1990 AND EXTRACT(YEAR FROM date_of_)
8 --4
9 SELECT ticket_price , EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;
10 --5
11 SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name ,city, country
12 FROM flights
13 JOIN airport 1.n<->1. ON arriving_airport_id = airport_id
14 WHERE country = 'China';
15 --6
16 SELECT * FROM airline WHERE airline_country = 'Kazakhstan';
17
```

Services

Tx: Output --6 x

airline_id	airline_code	airline_name	airline_country	created_at	updated_at
77	R015	Schneider PLC	Kazakhstan	2022-08-29 22:39:19.000000	2020-11-16 14:50:15.000000

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Database Consoles > postgres@localhost [2] > lab3

17° Search 16:60 CRLF UTF-8 4 spaces 00:30 03.10.2024

Database Explorer

postgres@localhost [2]

- booking_flight
- flights
 - columns: 17
 - flight_id integer
 - sch_departure_time timestamp
 - sch_arrival_time timestamp
 - departing_airport_id integer
 - arriving_airport_id integer
 - departing_gate text
 - arriving_gate varchar(50)
 - airline_id integer
 - act_departure_time timestamp
 - act_arrival_time timestamp
 - created_at timestamp
 - updated_at timestamp

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6

lab2:public

```
--2
5 SELECT DISTINCT last_name FROM passengers;
6 --3
7 SELECT * FROM passengers WHERE gender = 'Male' AND EXTRACT(YEAR FROM date_of_birth) >= 1990 AND EXTRACT(YEAR FROM date_of_birth) < 2000;
8 --4
9 SELECT ticket_price, EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;
10 --5
11 SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name, city, country
12 FROM flights
13 JOIN airport 1.n<->1 ON arriving_airport_id = airport_id
14 WHERE country = 'China';
15 --6
16 SELECT * FROM airline WHERE airline_country = 'Kazakhstan';
17 --7
18 update booking set ticket_price = ticket_price*0.9 where created_at < '2010-12-12 00:00:00';
19 --8
20
21
```

Services

Tx: +, > Output --6 x

airline_id	airline_code	airline_name	airline_country	created_at	updated_at
77	R015	Schneider PLC	Kazakhstan	2022-08-29 22:39:19.000000	2020-11-16 14:50:15.000000

Database Consoles > postgres@localhost [2] > lab3

20:1 CRLF UTF-8 4 spaces

Activate Windows
Go to Settings to activate Windows.

00:35
03.10.2024

Database Explorer

postgres@localhost [2]

updated_at timestamp

keys 1

indexes 1

baggage

columns 5

baggage_id integer

weight_in_kg numeric(4,2)

created_at timestamp

updated_at timestamp

booking_id integer

keys 1

foreign keys 1

indexes 1

baggage_check

boarding_pass

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6

Tx: Auto Playground

SELECT ticket_price, EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;
--5
SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name, city, country
FROM flights
JOIN airport 1.n<->1 ON arriving_airport_id = airport_id
WHERE country = 'China';
--6
SELECT * FROM airline WHERE airline_country = 'Kazakhstan';
--7
update booking set ticket_price = ticket_price*0.9 where created_at < '2010-12-12 00:00:00';
--8
select baggage_id, weight_in_kg, booking_id from baggage where weight_in_kg > 25.00 order by weight_in_kg desc limit 3;
21

Services

Tx: +>

Output --8 x

baggage_id

weight_in_kg

booking_id

1

59

48.98

63

2

73

48.93

78

3

75

46.92

37

Database Consoles > postgres@localhost [2] > lab3

21:1 CRLF UTF-8 4 spaces

Activate Windows
Go to Settings to activate Windows.

00:48
03.10.2024

Database Explorer

postgres@localhost [2]

- updated_at timestamp
- keys 1
- indexes 1
- baggage
 - columns 5
 - baggage_id integer
 - weight_in_kg numeric(4,2)
 - created_at timestamp
 - updated_at timestamp
 - booking_id integer
 - keys 1
 - foreign keys 1
 - indexes 1
 - baggage_check
 - boarding_pass

console_5 console_8 console_10 console_9 lab3 x airport_db.sql console_7 console_6

```
SELECT ticket_price, EXTRACT(MONTH FROM created_at) AS month from booking order by month, ticket_price;
--5
SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name, city, country
FROM flights
JOIN airport 1.n<->1 ON arriving_airport_id = airport_id
WHERE country = 'China';
--6
SELECT * FROM airline WHERE airline_country = 'Kazakhstan';
--7
update booking set ticket_price = ticket_price*0.9 where created_at < '2010-12-12 00:00:00';
--8
select baggage_id, weight_in_kg, booking_id from baggage where weight_in_kg > 25.00 order by weight_in_kg desc limit 3;
--9
select first_name, date_of_birth from passengers order by date_of_birth desc limit 1;
```

Services

Output --9 x

first_name	date_of_birth
Julie	2006-09-18

Database Consoles > postgres@localhost [2] > lab3

22:37 CRLF UTF-8 4 spaces

00:51 03.10.2024

Database Explorer

postgres@localhost [2]

updated_at timestamp

keys 1

indexes 1

baggage

columns 5

baggage_id integer

weight_in_kg numeric(4,2)

created_at timestamp

updated_at timestamp

booking_id integer

keys 1

foreign keys 1

indexes 1

baggage_check

boarding_pass

console_5 console_8 console_10 console_9 lab3 airport_db.sql console_7 console_6

lab2.public

10 --5

11 SELECT flight_id, sch_departure_time, sch_arrival_time, airport_name, city, country

12 FROM flights

13 JOIN airport 1..n<->1 ON arriving_airport_id = airport_id

14 WHERE country = 'China';

15 --6

16 SELECT * FROM airline WHERE airline_country = 'Kazakhstan';

17 --7

18 update booking set ticket_price = ticket_price*0.9 where created_at < '2018-12-12 00:00:00';

19 --8

20 select baggage_id, weight_in_kg, booking_id from baggage where weight_in_kg > 25.00 order by weight_in_kg desc limit 3;

21 --9

22 select first_name, date_of_birth from passengers order by date_of_birth desc limit 1;

23 --10

24 ✓ select booking_platform, MIN(booking.ticket_price) from booking group by booking_platform;

Services

Tx + > Output --10 x

booking_platform min

1 Agent 59.81

2 Mobile App 61.87

3 Website 59.24

Database Consoles > postgres@localhost [2] > lab3

17°

Search

24:91 CRLF UTF-8 4 spaces

00:54 03.10.2024