

firstpr Version control

Database Explorer

- postgres@localhost [2]
 - tables 10
 - airline
 - airport
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - postgres 3
 - Server Objects

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

lab2.public

```
1 --lab4
2 --1
3 ✓ SELECT UPPER(airline.airline_name) FROM airline;
4
```

Files

- Scratches and Consoles
 - Database Consoles
 - postgres@localhost [2]
 - Databases
 - console
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 - lab3
 - lab4
 - Extensions

Services

Output --1 x

104 rows

upper
1 TANNER-RANDALL
2 MARTINEZ GROUP
3 MENDEZ GROUP
4 MYERS-DANIEL
5 BROWN LLC

Database Consoles > postgres@localhost [2] > lab4

Activate Windows
Go to Settings to activate Windows.

4.1 CRLF UTF-8 4 spaces

22°C Sunny 13:04 10.10.2024

firstpr Version control

Database Explorer

- postgres@localhost [2]
 - tables 10
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 - Database Objects
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 - Server Objects

console_5 console_8 console_9 More tool windows airport_db.sql lab2.public

```
1 --lab4
2 --1
3 SELECT UPPER(airline.airline_name) FROM airline;
4 --2
5 UPDATE airline SET airline_name = replace(airline_name, 'Air', 'Aero') where airline_
6 SELECT * FROM airline;
```

Files

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Services

Output postgres.public.airline

104 rows

airline_id	airline_code	airline_name	airline_country	created_at	updated_at
100	M208	Duke, White and Hardin	Russian Federation	2022-11-18 13:27:53.000000	2022-01-20 21:42:12.000000
101	1111112 vd	FlyHigh	Brazil	2001-08-09 00:00:00.000000	2019-05-09 00:00:00.000000
102	1111113 bdvd	FlyFly	Poland	2006-08-09 00:00:00.000000	2014-08-09 00:00:00.000000
103	101 kazakh	KazAero	Turkey	2011-09-09 00:00:00.000000	2011-09-09 00:00:00.000000
104	1111111 k2	AeroEasy	France	2011-01-09 00:00:00.000000	2019-08-09 00:00:00.000000

Database Consoles > postgres@localhost [2] > lab4

61 (22 chars) CRLF UTF-8 4 spaces

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firstpr Version control

Database Explorer

- postgres@localhost [2]
 - flights
 - columns: 12
 - 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
 - keys: 1

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

```
1 --lab4
2 --1
3 SELECT UPPER(airline.airline_name) FROM airline;
4 --2
5 UPDATE airline SET airline_name = replace(airline_name, 'Air', 'Aero') where airline_
6 SELECT * FROM airline;
7 --3
8 ✓ SELECT flight_id FROM flights WHERE airline_id = 1
9 INTERSECT
10 SELECT flight_id FROM flights WHERE airline_id = 2;
11
```

Files

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Services

Output --3 x

0 rows

flight_id

Database Consoles > postgres@localhost [2] > lab4

Activate Windows
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10:52 CRLF UTF-8 4 spaces

22°C Mostly sunny

Search

ENG 13:22 10.10.2024

firstpr Version control

Database Explorer

- postgres@localhost [2]
 - created_at timestamp
 - updated_at timestamp
 - keys 1
 - indexes 1
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - postgres 3
 - Server Objects

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

```
3 SELECT UPPER(airline.airline_name) FROM airline;
4 --2
5 UPDATE airline SET airline_name = replace(airline_name, 'Air', 'Aero') where airline_name LIKE 'Air%';
6 SELECT * FROM airline;
7 --3
8 SELECT flight_id FROM flights WHERE airline_id = 1
9 INTERSECT
10 SELECT flight_id FROM flights WHERE airline_id = 2;
11 --4
12 (SELECT airport_name FROM airport WHERE airport_name LIKE 'Air%')
13 union (SELECT airport_name FROM airport WHERE airport_name LIKE 'Reginal%');
14
15 insert into airport(airport_id, airport_name, country, state, city, created_at, updated_at)
16 values( airport_id 1078, airport_name 'Reginal Shymkent', country 'Kz', state 'Turk obl', city 'CI');
17 insert into airport(airport_id, airport_name, country, state, city, created_at, updated_at)
18 values( airport_id 1054, airport_name 'Air Shymkent', country 'Kz', state 'Turk obl', city 'CI');
19
20
```

Files

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Services

Output

airport_name

Air Shymkent

Reginal Shymkent

Activate Windows

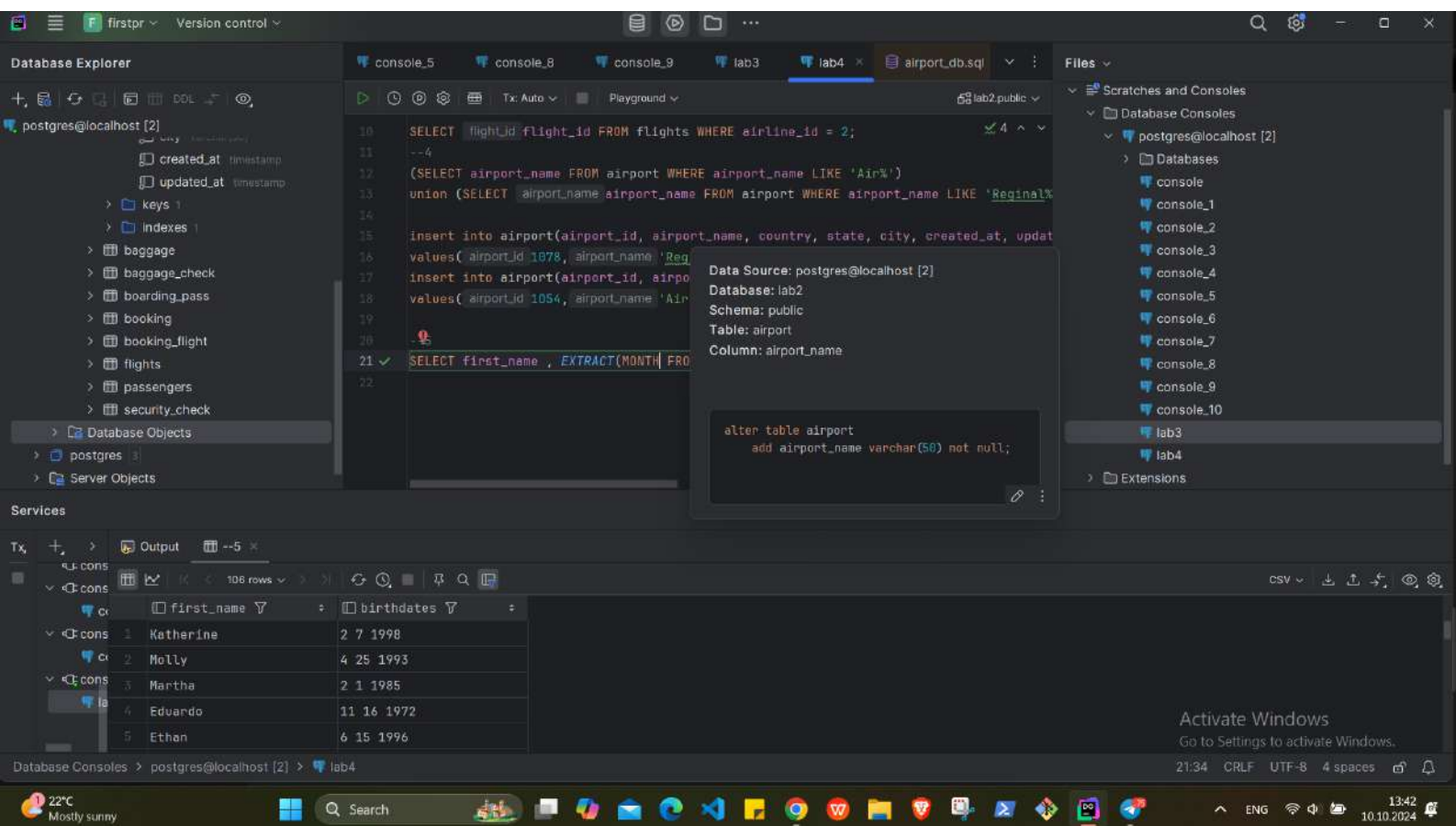
Go to Settings to activate Windows.

Database Consoles > postgres@localhost [2] > lab4

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Search

ENG 13:32 10.10.2024



firstpr Version control

Database Explorer

- postgres@localhost [2]
 - created_at timestamp
 - updated_at timestamp
 - keys 1
 - indexes 1
 - baggage
 - baggage_check
 - boarding_pass
 - booking
 - booking_flight
 - flights
 - passengers
 - security_check
 - Database Objects
 - postgres 3
 - Server Objects

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

```
20 SELECT flight_id FROM flights WHERE airline_id = 2;
21 --4
22 (SELECT airport_name FROM airport WHERE airport_name LIKE 'Air%')
23 union (SELECT airport_name FROM airport WHERE airport_name LIKE 'Reginal%')
24 insert into airport(airport_id, airport_name, country, state, city, created_at, updated_at)
25 values(airport_id 1078, airport_name 'Reginal Shymkent', country 'Kz', state 'Turk obl', city 'CE')
26 insert into airport(airport_id, airport_name, country, state, city, created_at, updated_at)
27 values(airport_id 1054, airport_name 'Air Shymkent', country 'Kz', state 'Turk obl', city 'CE')
28 --5
29 SELECT first_name, EXTRACT(MONTH FROM date_of_birth) || ' ' || EXTRACT(DAYS FROM date_of_birth)
30 FROM passengers
31 SELECT flight_id FROM flights WHERE sch_arrival_time != act_arrival_time;
```

Files

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Services

Output --6 x

flight_id	
1	1
2	2
3	3
4	7
5	8

Database Consoles > postgres@localhost [2] > lab4

Activate Windows
Go to Settings to activate Windows.

24:8 CRLF UTF-8 4 spaces

22°C Mostly sunny 13:44 10.10.2024

Database Explorer

postgres@localhost [2]

- created_at timestamp
- updated_at timestamp
- keys 1
- indexes 1
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- security_check
- Database Objects
- postgres 3
- Server Objects

console_5 console_8 console_9 lab3 lab4 x airport_db.sql lab2.public

```
22
23 --6
24 SELECT flight_id FROM flights WHERE sch_arrival_time != act_arrival_time;
25 --7
26 ✓ SELECT
27     first_name ,
28     date_of_birth ,
29     2024 - EXTRACT(YEAR FROM date_of_birth) AS AGE,
30 CASE
31     WHEN 2024 - EXTRACT(YEAR FROM date_of_birth) > 18 AND 2024 - EXTRACT(YEAR FROM de
32     WHEN 2024 - EXTRACT(YEAR FROM date_of_birth) > 36 AND 2024 - EXTRACT(YEAR FROM
33     ELSE 'RETIRE'
34 END AS AGE_GROUP
35 FROM PASSENGERS;
```

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Services

Output --7 x

108 rows

CSV

	first_name	date_of_birth	age	age_group
1	Katherine	1998-02-07	26	YOUNG
2	Molly	1993-04-25	31	YOUNG
3	Martha	1985-02-01	39	ADULT
4	Eduardo	1972-11-16	52	ADULT
5	Ethan	1996-06-15	28	YOUNG

Database Consoles > postgres@localhost [2] > lab4

Activate Windows
Go to Settings to activate Windows.

32:99 CRLF UTF-8 4 spaces

22°C Mostly sunny

Search

ENG 13:57 10.10.2024

Database Explorer

postgres@localhost [2]

- boarding_pass
- booking
 - columns 8
 - booking_id integer
 - flight_id integer
 - passenger_id integer
 - booking_platform varchar(50)
 - created_at timestamp
 - updated_at timestamp
 - status varchar(50)
 - ticket_price numeric(7,2)
 - keys 1
 - foreign keys 1
 - indexes 1
- booking_flight

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

lab2.public

28 date_of_birth ,
29 2024 - EXTRACT(YEAR FROM date_of_birth) AS AGE,
30 CASE
31 WHEN 2024 - EXTRACT(YEAR FROM date_of_birth) > 18 AND 2024 - EXTRACT(YEAR FROM de
32 WHEN 2024 - EXTRACT(YEAR FROM date_of_birth) > 36 AND 2024 - EXTRACT(YEAR FROM c
33 ELSE 'RETIRED'
34 END AS AGE_GROUP
35 FROM PASSENGERS;
36 --8
37 ✓ SELECT
38 booking.ticket_price,
39 CASE
40 WHEN booking.ticket_price > 400 THEN 'EXPENSIVE'
41 WHEN booking.ticket_price > 200 AND booking.ticket_price <= 400 THEN 'MEDIUM'
42 ELSE 'LOW'
43 END AS PRICE_CATEGORY
44 FROM booking;

Files

Scratches and Consoles

Database Consoles

postgres@localhost [2]

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 - console_10
- lab3
- lab4

Extensions

Services

Output --8 x

100 rows

ticket_price price_category

1	163.46	LOW
2	236.34	MEDIUM
3	183.92	LOW
4	212.63	MEDIUM
5	116.46	LOW

Database Consoles > postgres@localhost [2] > lab4

22°C Mostly sunny

Search

ENG 14:00 10.10.2024

Database Explorer

postgres@localhost [2]

boarding_pass

booking

columns 8

booking_id integer

flight_id integer

passenger_id integer

booking_platform varchar(50)

created_at timestamp

updated_at timestamp

status varchar(50)

ticket_price numeric(7,2)

keys 1

foreign keys 1

indexes 1

booking_flight

console_5 console_8 console_9 lab3 lab4 x airport_db.sql

lab2.public

4

33 ELSE 'RETIRE'

34 END AS AGE_GROUP

35 FROM PASSENGERS;

36 --8

37 SELECT

38 booking.ticket_price,

39 CASE

40 WHEN booking.ticket_price > 400 THEN 'EXPENSIVE'

41 WHEN booking.ticket_price > 200 AND booking.ticket_price <= 400 THEN 'MEDIUM'

42 ELSE 'LOW'

43 END AS PRICE_CATEGORY

44 FROM booking;

45 --9

46 ✓ SELECT airline_country, COUNT(airline_name) AS number_of_airlines FROM airline GROUP

47 --1

Scratches and Consoles

Database Consoles

postgres@localhost [2]

Databases

console

console_1

console_2

console_3

console_4

console_5

console_6

console_7

console_8

console_9

console_10

lab3

lab4

Extensions

Services

Output --9 x

88 rows

airline_country

number_of_airlines

85 Bhutan 1

86 Montserrat 1

87 Equatorial Guinea 1

88 Togo 3

Database Consoles

postgres@localhost [2]

lab4

47.4 CRLF UTF-8 4 spaces

Activate Windows

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14:06 10.10.2024

Database Explorer

postgres@localhost [2]

- boarding_pass
- booking
 - columns 8
 - booking_id integer
 - flight_id integer
 - passenger_id integer
 - booking_platform varchar(50)
 - created_at timestamp
 - updated_at timestamp
 - status varchar(50)
 - ticket_price numeric(7,2)
 - keys 1
 - foreign keys 1
 - indexes 1
 - booking_flight

console_8 console_9 lab3 lab4 x airport_db.sql console_7

lab2.public

```
--8
SELECT
  booking.ticket_price,
  CASE
    WHEN booking.ticket_price > 400 THEN 'EXPENSIVE'
    WHEN booking.ticket_price > 200 AND booking.ticket_price <= 400 THEN 'MEDIUM'
    ELSE 'LOW'
  END AS PRICE_CATEGORY
FROM booking;
--9
SELECT airline_country, COUNT(airline_name) AS number_of_airlines FROM airline GROUP
--10
SELECT flight_id FROM flights WHERE sch_arrival_time != act_arrival_time;
```

Scratches and Consoles

Database Consoles

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Services

Tx +>

Output --10 x

84 rows

CSV

DDL

Search

flight_id	
1	1
2	2
3	3
4	7
5	8

Database Consoles > postgres@localhost [2] > lab4

Activate Windows

Go to Settings to activate Windows.

48:17 CRLF UTF-8 4 spaces

22°C Mostly sunny

Search

14:08 10.10.2024