pgAdmin 4

Object Explorer

Dashboard ✕ Properties ✕ SQL ✕ Statistics ✕ Dependencies ✕ Dependents ✕ Processes ✕ Untitled.sql* ✕

lab3/ruslan@RuslanUser

Query   Query History

```sql
1  SELECT * FROM flights
2  JOIN airline ON flights.flight_id = airline.airline_id
3  WHERE airline.airline_name = 'IPC';
```

- 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
        - Columns (6)
          - airline_id
          - airline_code
          - airline_name
          - airline_country
          - created_at
          - update_at
        - Constraints
        - Indexes
        - RLS Policies
        - Rules
        - Triggers
      - airport
      - baggage
      - baggage_check
      - boarding_pass
      - booking

Data Output   Messages   Notifications

Showing rows: 1 to 1   Page No: 1   of 1

flight_id integer	flight_no character varying (50)	scheduled_departure date	scheduled_arrival date	departure_airport_id integer	arrival_airport_id integer	departing_gate character varying (50)	arriving_gate character varying (50)
1	US-CT	2024-01-22	2023-09-08	12	15	9	649

Total rows: 1   Query complete 00:00:00.038   LF   Ln 3, Col 36

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lab3/ruslan@RuslanUser

Query   Query History

```sql
1  SELECT flights.flight_id, flights.flight_no, airport.airport_name AS departure_airport
2  FROM flights
3  JOIN airport ON flights.departure_airport_id = airport.airport_id;
```

- update_at
  - Constraints
  - Indexes
  - RLS Policies
  - Rules
  - Triggers
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
  - Columns (14)
    - flight_id
    - flight_no
    - scheduled_departure
    - scheduled_arrival
    - departure_airport_id
    - arrival_airport_id
    - departing_gate
    - arriving_gate
    - airline_id
    - status
    - actual_departure
    - actual_arrival
    - created_at
    - update_at
  - Constraints
  - Indexes
  - RLS Policies
  - Rules
  - Triggers
- passengers

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 1

flight_id integer	flight_no character varying (50)	departure_airport character varying (50)
1	US-CT	Elorza Airport
2	US-NM	Figari Sud-Corse Airport
3	FI-OL	Darchula Airport
4	RU-KR	Lime Acres Finsch Mine Airport
5	RO-DJ	Hana Airport
6	CA-SK	Darchula Airport
7	AU-TAS	Ocean Falls Seaplane Base
8	US-AZ	Figari Sud-Corse Airport

Total rows: 1000   Query complete 00:00:00.051   LF   Ln 3, Col 67

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Object Explorer

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Untitled.sql* ×

lab3/ruslan@RuslanUser

Query   Query History

```sql
SELECT a.airline_id, a.airline_name
FROM airline a
WHERE a.airline_id NOT IN (
    SELECT DISTINCT f.airline_id
    FROM flights f
    WHERE f.scheduled_departure >= DATE_TRUNC('month', CURRENT_DATE + INTERVAL '1 month')
      AND f.scheduled_arrival < DATE_TRUNC('month', CURRENT_DATE + INTERVAL '2 month')
);
```

Data Output   Messages   Notifications

Showing rows: 1 to 50   Page No: 1   of 1

	airline_id [PK] integer	airline_name character varying (50)
1	1	IPC
2	2	PDN
3	3	KLE
4	4	KHS
5	5	YLQ
6	6	NGL
7	7	0
8	8	QIG

Total rows: 50   Query complete 00:00:00.044   LF   Ln 7, Col 30

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pgAdmin 4

Object Explorer

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Untitled.sql* ×

lab3/ruslan@RuslanUser

Query   Query History

```sql
SELECT p.*
FROM passengers p
JOIN booking b ON p.passenger_id = b.passenger_id
JOIN booking_flight bf ON b.booking_id = bf.booking_id
WHERE bf.flight_id = 1;
```

Data Output   Messages   Notifications

Showing rows: 1 to 1   Page No: 1   of 1

	passenger_id [PK] integer	first_name character varying (50)	last_name character varying (50)	date_of_birth date	gender character varying (50)	country_of_citizenship character varying (50)	country_of_residence character varying (50)	passport_number character varying
1	32	Elfrida	Schukert	1991-03-18	Female	Peru	Russia	561518934-7

✓ Successfully run. Total query runtime: 39 msec. 1 rows affected. ×

Total rows: 1   Query complete 00:00:00.039   LF   Ln 5, Col 23

Query 1:

```sql
SELECT bf.flight_id,
       AVG(b.price) AS average_price,
       SUM(b.price) AS total_price,
       MAX(b.price) AS maximum_price,
       MIN(b.price) AS minimum_price
FROM booking b
JOIN booking_flight bf ON b.booking_id = bf.booking_id
GROUP BY bf.flight_id;
```

Showing rows: 1 to 614   Page No: 1   of 1

flight_id integer	average_price numeric	total_price numeric	maximum_price numeric	minimum_price numeric
846	7070.450000000000000	7070.45	7070.45	7070.45
790	7682.650000000000000	15365.30	9851.86	5513.44
828	5377.090000000000000	5377.09	5377.09	5377.09
938	4172.270000000000000	4172.27	4172.27	4172.27
184	2679.735000000000000	5359.47	3176.33	2183.14
753	2838.340000000000000	2838.34	2838.34	2838.34
273	8036.280000000000000	8036.28	8036.28	8036.28
951	2731.085000000000000	5462.17	5299.31	162.86

Total rows: 614   Query complete 00:00:00.029   LF   Ln 8, Col 23

Query 2:

```sql
SELECT f.flight_id,
       f.departure_airport_id,
       f.arrival_airport_id,
       a.airline_name,
       arr_airport.airport_name AS arrival_airport,
       arr_airport.country AS destination_country
FROM flights f
JOIN airline a ON f.airline_id = a.airline_id
JOIN airport arr_airport ON f.arrival_airport_id = arr_airport.airport_id
WHERE arr_airport.country = 'Croatia';
```

Showing rows: 1 to 44   Page No: 1   of 1

flight_id integer	departure_airport_id integer	arrival_airport_id integer	airline_name character varying (50)	arrival_airport character varying (50)	destination_country character varying (50)
5	6	2	PIR	Alert Bay Airport	Croatia
22	2	2	XLU	Alert Bay Airport	Croatia
27	11	2	KMA	Alert Bay Airport	Croatia
28	3	2	YBQ	Alert Bay Airport	Croatia
32	2	2	CLY	Alert Bay Airport	Croatia
46	8	2	SOZ	Alert Bay Airport	Croatia
50	20	2	NQX	Alert Bay Airport	Croatia
71	2	2	SMM	Alert Bay Airport	Croatia

Total rows: 44   Query complete 00:00:00.026   LF   Ln 10, Col 37

Object Explorer

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Untitled.sql* ×

lab3/ruslan@RuslanUser

Query   Query History

```sql
1   SELECT p.*,
2          arr_airport.airport_name AS arrival_airport,
3          arr_airport.country AS arrival_country
4   FROM passengers p
5   JOIN booking b ON p.passenger_id = b.passenger_id
6   JOIN booking_flight bf ON b.booking_id = bf.booking_id
7   JOIN flights f ON bf.flight_id = f.flight_id
8   JOIN airport arr_airport ON f.arrival_airport_id = arr_airport.airport_id
9   WHERE DATE_PART('year', AGE(p.date_of_birth)) < 18;
```

Data Output   Messages   Notifications

Showing rows: 1 to 37   Page No: 1   of 1

	passenger_id integer	first_name character varying (50)	last_name character varying (50)	date_of_birth date	gender character varying (50)	country_of_citizenship character varying (50)	country_of_residence character varying (50)	passport_numb character varyi
1	159	Vivyan	Mallabone	2009-11-01	Female	Colombia	Ireland	319128472-9
2	70	Lester	Blades	2008-07-04	Male	China	China	042660665-5
3	70	Lester	Blades	2008-07-04	Male	China	China	042660665-5
4	41	Cleve	Edgeler	2009-04-20	Male	China	China	486462857-2
5	80	Bradley	Grolle	2008-01-02	Male	China	Indonesia	871349972-6
6	41	Cleve	Edgeler	2009-04-20	Male	China	China	486462857-2
7	34	Gwennie	Chinnery	2008-06-30	Female	Indonesia	China	439401059-4

✓ Successfully run. Total query runtime: 35 msec. 37 rows affected. ×

Total rows: 37   Query complete 00:00:00.035   LF   Ln 9, Col 30

Object Explorer

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Untitled.sql* ×

lab3/ruslan@RuslanUser

Query   Query History

```sql
1   SELECT
2       CONCAT(passengers.first_name, ' ', passengers.last_name) AS full_name,
3       passengers.passport_number,
4       flights.actual_arrival AS arrival_time
5   FROM passengers
6   JOIN booking ON passengers.passenger_id = booking.passenger_id
7   JOIN booking_flight ON booking.booking_id = booking_flight.booking_id
8   JOIN flights ON booking_flight.flight_id = flights.flight_id;
9
```

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 1

	full_name text	passport_number character varying (50)	arrival_time date
1	Muhammad Fass	109932770-9	2023-07-18
2	Trevar Broun	788025864-7	2024-02-11
3	Auria Breffit	570537341-4	2023-07-11
4	Archie Toffel	677556708-1	2023-06-17
5	Sanders Biddles	514546405-3	2023-09-05
6	Sanders Biddles	514546405-3	2024-03-01
7	Remington Piggot	470074456-1	2023-05-31
8	Glynis Marle	209933120-0	2024-02-02

Total rows: 1000   Query complete 00:00:00.040   LF   Ln 9, Col 1

pgAdmin 4

Object Explorer

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × 📄 Untitled.sql* ×

> public
> 📦 Aggregates
> 🔤 Collations
> 🔷 Domains
> 📄 FTS Configurations
> 📄 FTS Dictionaries
> Aa FTS Parsers
> 🔲 FTS Templates
> 📄 Foreign Tables
> 🔘 Functions
> 🔲 Materialized Views
> 🔷 Operators
> () Procedures
> 1..3 Sequences
> 📦 Tables (10)
  > 📄 airline
    > 📄 Columns (6)
      📄 airline_id
      📄 airline_code
      📄 airline_name
      📄 airline_country
      📄 created_at
      📄 update_at
    > ▶◀ Constraints
    > 🔗 Indexes
    > 🔒 RLS Policies
    > 📄 Rules
    > 🔺 Triggers
  > 📄 airport
    > 📄 Columns (7)
      📄 airport_id
      📄 airport_name
      📄 country
      📄 state

lab3/ruslan@RuslanUser

No limit

Query   Query History

```
1   SELECT
2       a.country AS airport_country,
3       f.flight_no,
4       al.airline_name
5   FROM flights f
6   JOIN airport a ON f.departure_airport_id = a.airport_id
7   JOIN airline al ON f.airline_id = al.airline_id
8   WHERE a.country = al.airline_country
9   GROUP BY a.country, f.flight_no, al.airline_name;
```

Data Output   Messages   Notifications

Showing rows: 1 to 73   Page No: 1   of 1

	airport_country character varying (50) 🔒	flight_no character varying (50) 🔒	airline_name character varying (50) 🔒
1	Brazil	CL-AR	YLP
2	Brazil	IT-45	RBR
3	Brazil	PG-WPD	YLP
4	Brazil	SB-WE	PDN
5	Brazil	US-WA	YLP
6	China	AU-NSW	YHB
7	China	AU-NT	YHB
8	China	AU-WA	SJS

Total rows: 73   Query complete 00:00:00.021

Successfully run. Total query runtime: 21 msec. 73 rows affected. ✕

LF   Ln 8, Col 30