pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

> 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 (4)
  > Indexes
  > RLS Policies
  > Rules
  > Triggers
> passengers
> security_check
> Trigger Functions

airport_database/postgres@labwork* ✕

airport_database/postgres@labwork

No limit

Query   Query History

```
1   select f.flight_id,
2          f.flight_no,
3          f.departing_gate,
4          a.airline_name
5   from flights f
6   join airline a on f.airline_id = a.airline_id
7   where a.airline_name = 'KKL';
```

Scratch Pad ✕

Data Output   Messages   Notifications

Showing rows: 1 to 22   Page No: 1   of 1

	flight_id integer	flight_no character varying (50)	departing_gate text	airline_name character varying (50)
1	12	CA-NL	40	KKL
2	103	SL-N	1012	KKL
3	140	US-AK	89	KKL
4	217	BF-TAP	879	KKL
5	266	US-MI	645	KKL
6	280	MZ-A	1919	KKL

Total rows: 22   Query complete 00:00:00.195

LF   Ln 7, Col 13

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

> Materialized Views
> Operators
> Procedures
> 1.3 Sequences
> Tables (10)
  > airline
  > airport
    > Columns (7)
      airport_id
      airport_name
      country
      state
      city
      created_at
      update_at
    > Constraints
    > Indexes
    > RLS Policies
    > Rules
    > Triggers
  > 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

airport_database/postgres@labwork* ×

airport_database/postgres@labwork

No limit

Query   Query History

```
1  select
2      f.flight_id,
3      a.airport_name as departure_airport_id,
4      f.departing_gate
5
6  from flights f
7  join airport a on airport_id = a.airport_id
```

Scratch Pad ×

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 21

	flight_id integer	departure_airport_id character varying (50)	departing_gate text
1	1	Akunaq Heliport	9
2	1	Alert Bay Airport	9
3	1	Lime Acres Finsch Mine Airport	9
4	1	Garbaharey Airport	9
5	1	Delta County Airport	9
6	1	Hana Airport	9

Total rows: 20080   Query complete 00:00:00.189

Successfully run. Total query runtime: 189 msec. 20080 rows affected. ×

LF   Ln 3, Col 41

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

airport_database/postgres@labwork* ×

> 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
> security_check
> Trigger Functions
> Types
> Views
> Subscriptions
> postgres
> Login/Group Roles
> Tablespaces

airport_database/postgres@labwork

Query   Query History

Scratch Pad ×

```sql
1   SELECT
2       a.airline_id,
3       a.airline_name
4   FROM airline a
5   LEFT JOIN flights f ON
6       a.airline_id = f.airline_id
7       AND f.actual_departure >= CURRENT_DATE --OR f.departing_gate = CURRENT_DATE
8       AND f.actual_departure < CURRENT_DATE + INTERVAL '1 month'
9   WHERE f.flight_id IS NULL;
10
11
```

Data Output   Messages   Notifications

Showing rows: 1 to 210   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	15	KKG

✓ Successfully run. Total query runtime: 142 msec. 210 rows affected.

Total rows: 210   Query complete 00:00:00.142   LF   Ln 11, Col 1

Вт, 4 ноября 09:23

en 88 %

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

airport_database/postgres@labwork* ✕

airport_database/postgres@labwork

Query   Query History

Scratch Pad ✕

- Procedures
- 1.3 Sequences
- Tables (10)
  - airline
  - 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
  - Columns (10)

```sql
1  select
2          passenger_id,
3          first_name,
4          last_name,
5          passport_number
6      from passengers
7  left join flights on flights.flight_no = 'US-CT'
8
9
10
```

Data Output   Messages   Notifications

Showing rows: 1 to 609   Page No: 1   of 1

	passenger_id [PK] integer	first_name character varying (50)	last_name character varying (50)	passport_number character varying (50)
1	1	Hilde	Irnis	382385347-3
2	1	Hilde	Irnis	382385347-3
3	1	Hilde	Irnis	382385347-3
4	2	Arvy	Sparsholt	493914321-X
5	2	Arvy	Sparsholt	493914321-X
6	2	Arvy	Sparsholt	493914321-X

✓ Successfully run. Total query runtime: 110 msec. 609 rows affected. ✕

Total rows: 609   Query complete 00:00:00.110   LF   Ln 3, Col 7

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

airport_database/postgres@labwork* ×

airport_database/postgres@labwork

> Sequences
∨ Tables (10)
  > airline
  > airport
  > baggage
  > baggage_check
  > boarding_pass
  ∨ booking
    ∨ Columns (8)
      booking_id
      passenger_id
      booking_platform
      created_at
      update_at
      status
      ticket_price
      ticket_discount
    > Constraints
    > Indexes
    > RLS Policies
    > Rules
    > Triggers
  > booking_flight
  > flights
  > passengers
  > security_check
> Trigger Functions
> Types
> Views
> Subscriptions
> postgres
> Login/Group Roles
> Tablespaces

Query   Query History

Scratch Pad ×

```
1   --average, total, max, min
2
3   select
4       avg(ticket_price),
5       sum(ticket_price),
6       min(ticket_price),
7       max(ticket_price)
8   from booking
9
```

Data Output   Messages   Notifications

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

	avg numeric	sum numeric	min numeric	max numeric
1	5353.9057000000000000	2676952.85	118.40	11329.64

✓ Successfully run. Total query runtime: 136 msec. 1 rows affected.

Total rows: 1   Query complete 00:00:00.136   LF   Ln 7, Col 19

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

airport_database/postgres@labwork* ×

airport_database/postgres@labwork

Query   Query History   Scratch Pad ×

```sql
1   SELECT
2       f.flight_no,
3       f.departing_gate,
4       f.arriving_gate,
5       al.airline_name,
6       dep_airport.airport_name AS departure_airport,
7       dep_airport.city AS departure_city,
8       arr_airport.airport_name AS arrival_airport,
9       arr_airport.city AS arrival_city,
10      arr_airport.country AS arrival_country
11  FROM flights f
12  INNER JOIN airline al ON f.airline_id = al.airline_id
13  INNER JOIN airport dep_airport ON f.departure_airport_id = dep_airport.airport_id
14  INNER JOIN airport arr_airport ON f.arrival_airport_id = arr_airport.airport_id
15  WHERE arr_airport.country = 'France';
```

Object Explorer tree:
- Operators
- Procedures
- Sequences
- Tables (10)
  - airline
  - 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

flight_no character varying (50)	departing_gate text	arriving_gate character varying (50)	airline_name character varying (50)	departure_airport character varying (50)	departure_city character varying (50)	arrival_airport character varying (50)	arrival_city character varying (50)

Total rows: 0   Query complete 00:00:00.092
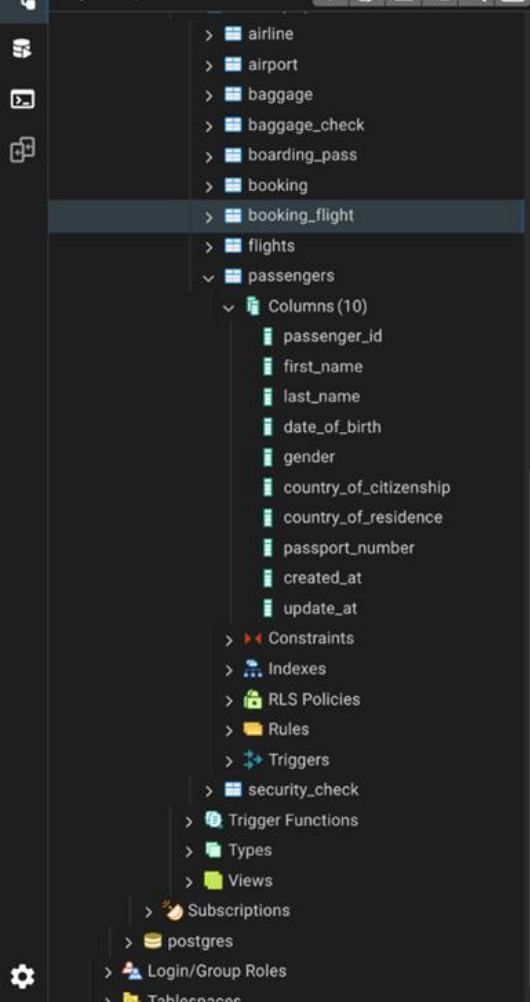
Successfully run. Total query runtime: 92 msec. 0 rows affected

LF   Ln 6

pgAdmin 4

Object Explorer

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
  - Columns (10)
    - passenger_id
    - first_name
    - last_name
    - date_of_birth
    - gender
    - country_of_citizenship
    - country_of_residence
    - passport_number
    - created_at
    - update_at
  - Constraints
  - Indexes
  - RLS Policies
  - Rules
  - Triggers
  - security_check
  - Trigger Functions
  - Types
  - Views
- Subscriptions
- postgres
- Login/Group Roles

airport_database/postgres@labwork* ✕

airport_database/postgres@labwork

Query   Query History   Scratch Pad ✕

```sql
1  select
2          first_name,
3          last_name,
4          date_of_birth,
5          passport_number,
6          country_of_residence
7  from passengers
8  where current_date - date_of_birth >= 18
```

Data Output   Messages   Notifications

Showing rows: 1 to 203   Page No: 1   of 1

	first_name character varying (50)	last_name character varying (50)	date_of_birth date	passport_number character varying (50)	country_of_residence character varying (50)
1	Hilde	Irnis	2000-01-03	382385347-3	China
2	Arvy	Sparsholt	1974-06-09	493914321-X	Serbia
3	Reinald	Pococke	1982-06-07	643029527-3	Brazil
4	Con	Borrel	1986-10-17	837859465-3	China
5	Wayne	Bangs	1996-04-22	512588744-7	Canada
6	Tildy	Shackleford	2004-04-15	386497171-3	France

Total rows: 203   Query complete 00:00:00.193

Successfully run. Total query runtime: 188 msec. 203 rows affected.

LF   Ln 8, Col 37

pgAdmin 4

File　Object　Tools　Edit　View　Window　Help

Object Explorer

- 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
- security_check
- Trigger Functions
- Types
- Views
- Subscriptions
- postgres
- Login/Group Roles

airport_database/postgres@labwork* ✕

airport_database/postgres@labwork

Query　　Query History　　　　　　　　　　　　　　　　　　　　Scratch Pad ✕

```sql
1  SELECT
2      p.first_name || ' ' || p.last_name AS full_name,
3      p.passport_number,
4      f.arriving_gate AS arriving_time_at_destination
5  FROM passengers p
6  INNER JOIN booking b ON p.passenger_id = b.passenger_id
7  INNER JOIN flights f ON f.flight_id = f.flight_id;
```

Data Output　Messages　Notifications

Showing rows: 1 to 1000　　Page No: 1　of 502

	full_name text	passport_number character varying (50)	arriving_time_at_destination character varying (50)
1	Anetta Frankcom	934080397-3	649
2	Quintina Werrett	980147004-6	649
3	Felipa Hurkett	650293667-9	649
4	Winonah Fredi	381837784-7	649
5	Anabelle Polkinhorn	907979271-3	649
6	Jilly Jedrzej	716083776-2	649

✓ Successfully run. Total query runtime: 321 msec. 502000 rows affected. ✕

Total rows: 502000　　Query complete 00:00:00.321　　　　　　　　　　LF　Ln 7, Col 26

pgAdmin 4

File   Object   Tools   Edit   View   Window   Help

Object Explorer

- 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
  - booking_flight

airport_database/postgres@labwork* ✕

airport_database/postgres@labwork

No limit

Query   Query History   Scratch Pad ✕

```sql
1   SELECT
2       dep_airport.country AS airport_country,
3       COUNT(*) AS number_of_flights,
4       STRING_AGG(f.flight_no, ', ') AS flight_numbers,
5       al.airline_name,
6       al.airline_country AS airline_country
7   FROM flights f
8   INNER JOIN airline al ON f.airline_id = al.airline_id
9   INNER JOIN airport dep_airport ON f.departure_airport_id = dep_airport.airport_id
10  WHERE al.airline_country = dep_airport.country
11  GROUP BY dep_airport.country, al.airline_name, al.airline_country
12  ORDER BY dep_airport.country, number_of_flights DESC;
```

Data Output   Messages   Notifications

Showing rows: 1 to 25   Page No: 1   of 1

	airport_country character varying (50)	number_of_flights bigint	flight_numbers text	airline_name character varying (50)	airline_country character varying (50)
1	Brazil	3	US-WA, PG-WPD, CL-AR	YLP	Brazil
2	Brazil	1	IT-45	RBR	Brazil
3	Brazil	1	SB-WE	PDN	Brazil
4	China	10	CH-NE, US-WI, CA-ON, CA-ON, US-KY, ZA-EC, SB-GU, RU-LEN, DE-RP, G...	PIR	China
5	China	7	MY-12, AU-NT, ID-PA, US-SC, BR-MG, BR-AM, AU-NSW	YHB	China
6	China	6	PG-MPM, TZ-24, BR-PE, IT-34, CR-A, TH-21	YEK	China

Total rows: 25   Query complete 00:00:00.099

Successfully run. Total query runtime: 99 msec. 25 rows affected. ✕

LF   Ln 11, Col 59