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Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Lab2/emilakshabayev@s* ×

Lab2/emilakshabayev@s

No limit

Query Query History

```sql
-- 1
CREATE TABLE airline_info(
  airline_id       INT PRIMARY KEY,
  airline_code     VARCHAR(30)  NOT NULL,
  airline_name     VARCHAR(50)  NOT NULL,
  airline_country  VARCHAR(50)  NOT NULL,
  created_at       TIMESTAMP    NOT NULL DEFAULT now(),
  updated_at       TIMESTAMP    NOT NULL DEFAULT now(),
  info             VARCHAR(50)  NOT NULL
);

-- 2
CREATE TABLE airport(
  airport_id   INT PRIMARY KEY,
  airport_name VARCHAR(50) NOT NULL,
  country      VARCHAR(50) NOT NULL,
  state        VARCHAR(50) NOT NULL,
  city         VARCHAR(50) NOT NULL,
  created_at   TIMESTAMP   NOT NULL DEFAULT now(),
  updated_at   TIMESTAMP   NOT NULL DEFAULT now()
);

-- 3
CREATE TABLE baggage_check(
  baggage_check_id INT PRIMARY KEY,
  check_result     VARCHAR(50) NOT NULL,
  created_at       TIMESTAMP   NOT NULL DEFAULT now(),
  updated_at       TIMESTAMP   NOT NULL DEFAULT now(),
  booking_id       INT         NOT NULL,
  passenger_id     INT         NOT NULL
);

-- 4
CREATE TABLE baggage(
  baggage_id     INT PRIMARY KEY,
  weight_in_kg   DECIMAL(4,2) NOT NULL,
  created_at     TIMESTAMP    NOT NULL DEFAULT now(),
  updated_at     TIMESTAMP    NOT NULL DEFAULT now(),
```

Total rows: Query complete 00:00:00.030 LF

Object Explorer

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Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × Lab2/emilakshabayev@s* ×

Lab2/emilakshabayev@s

No limit

Query | Query History

```sql
-- 4
CREATE TABLE baggage(
  baggage_id     INT PRIMARY KEY,
  weight_in_kg   DECIMAL(4,2) NOT NULL,
  created_at     TIMESTAMP    NOT NULL DEFAULT now(),
  updated_at     TIMESTAMP    NOT NULL DEFAULT now(),
  booking_id     INT          NOT NULL
);

-- 5
CREATE TABLE boarding_pass(
  boarding_pass_id INT PRIMARY KEY,
  booking_id       INT         NOT NULL,
  seat             VARCHAR(50) NOT NULL,
  boarding_time    TIMESTAMP   NOT NULL,
  created_at       TIMESTAMP   NOT NULL DEFAULT now(),
  updated_at       TIMESTAMP   NOT NULL DEFAULT now()
);

-- 6
CREATE TABLE booking_flight(
  booking_flight_id INT PRIMARY KEY,
  booking_id        INT       NOT NULL,
  flight_id         INT       NOT NULL,
  created_at        TIMESTAMP NOT NULL DEFAULT now(),
  updated_at        TIMESTAMP NOT NULL DEFAULT now()
);

-- 7
CREATE TABLE booking(
  booking_id        INT PRIMARY KEY,
  flight_id         INT          NOT NULL,   -- колонка есть по условию
  passenger_id      INT          NOT NULL,
  booking_platform  VARCHAR(50)  NOT NULL,
  created_at        TIMESTAMP    NOT NULL DEFAULT now(),
  updated_at        TIMESTAMP    NOT NULL DEFAULT now(),
  status            VARCHAR(50)  NOT NULL,
  price             DECIMAL(7,2) NOT NULL    -- позже переименуем
);
```

Total rows: | Query complete 00:00:00.030 | LF | Ln 269, Col 1

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Lab2/emilakshabayev@s

No limit

Query | Query History

```sql
-- 7
CREATE TABLE booking(
  booking_id        INT PRIMARY KEY,
  flight_id         INT          NOT NULL,   -- колонка есть по условию
  passenger_id      INT          NOT NULL,
  booking_platform  VARCHAR(50)  NOT NULL,
  created_at        TIMESTAMP    NOT NULL DEFAULT now(),
  updated_at        TIMESTAMP    NOT NULL DEFAULT now(),
  status            VARCHAR(50)  NOT NULL,
  price             DECIMAL(7,2) NOT NULL    -- позже переименуем
);

-- 8
CREATE TABLE flights(
  flight_id             INT PRIMARY KEY,
  sch_departure_time    TIMESTAMP  NOT NULL,
  sch_arrival_time      TIMESTAMP  NOT NULL,
  departing_airport_id  INT        NOT NULL,
  arriving_airport_id   INT        NOT NULL,
  departing_gate        VARCHAR(50) NOT NULL, -- позже → TEXT
  arriving_gate         VARCHAR(50) NOT NULL,
  airline_id            INT        NOT NULL,
  act_departure_time    TIMESTAMP  NOT NULL,
  act_arrival_time      TIMESTAMP  NOT NULL,
  created_at            TIMESTAMP  NOT NULL DEFAULT now(),
  updated_at            TIMESTAMP  NOT NULL DEFAULT now()
);

-- 9
CREATE TABLE passengers(
  passenger_id             INT PRIMARY KEY,
  first_name               VARCHAR(50) NOT NULL,
  last_name                VARCHAR(50) NOT NULL,
  date_of_birth            DATE        NOT NULL,
  gender                   VARCHAR(50) NOT NULL,
  country_of_citizenship   VARCHAR(50) NOT NULL,
  country_of_residence     VARCHAR(50) NOT NULL,
  passport_number          VARCHAR(20) NOT NULL,
  created_at               TIMESTAMP   NOT NULL DEFAULT now(),
```

Total rows: | Query complete 00:00:00.030 | LF | Ln 269, Col 1

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Lab2/emilakshabayev@s

No limit

Query | Query History

```sql
-- 9
CREATE TABLE passengers(
  passenger_id            INT PRIMARY KEY,
  first_name              VARCHAR(50) NOT NULL,
  last_name               VARCHAR(50) NOT NULL,
  date_of_birth           DATE        NOT NULL,
  gender                  VARCHAR(50) NOT NULL,
  country_of_citizenship  VARCHAR(50) NOT NULL,
  country_of_residence    VARCHAR(50) NOT NULL,
  passport_number         VARCHAR(20) NOT NULL,
  created_at              TIMESTAMP   NOT NULL DEFAULT now(),
  updated_at              TIMESTAMP   NOT NULL DEFAULT now()
);

-- 10
CREATE TABLE security_check(
  security_check_id INT PRIMARY KEY,
  check_result      VARCHAR(20) NOT NULL,
  created_at        TIMESTAMP   NOT NULL DEFAULT now(),
  updated_at        TIMESTAMP   NOT NULL DEFAULT now(),
  passenger_id      INT         NOT NULL
);

-- 5)
ALTER TABLE airline_info RENAME TO airline;

-- 6)
ALTER TABLE booking RENAME COLUMN price TO ticket_price;

-- 7)
ALTER TABLE flights
  ALTER COLUMN departing_gate TYPE TEXT;

-- 8)
ALTER TABLE airline DROP COLUMN info;


-- 9)
```

Total rows: | Query complete 00:00:00.030

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Query | Query History

```sql
-- 8)
ALTER TABLE airline DROP COLUMN info;


-- 9)
ALTER TABLE security_check
  ADD CONSTRAINT fk_security_check_passenger
  FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE CASCADE;

ALTER TABLE booking
  ADD CONSTRAINT fk_booking_passenger
  FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE CASCADE;

ALTER TABLE baggage_check
  ADD CONSTRAINT fk_baggage_check_passenger
  FOREIGN KEY (passenger_id) REFERENCES passengers(passenger_id) ON DELETE CASCADE;

ALTER TABLE baggage_check
  ADD CONSTRAINT fk_baggage_check_booking
  FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;

ALTER TABLE baggage
  ADD CONSTRAINT fk_baggage_booking
  FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;

ALTER TABLE boarding_pass
  ADD CONSTRAINT fk_boarding_pass_booking
  FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;

ALTER TABLE booking_flight
  ADD CONSTRAINT fk_booking_flight_booking
  FOREIGN KEY (booking_id) REFERENCES booking(booking_id) ON DELETE CASCADE;

ALTER TABLE booking_flight
  ADD CONSTRAINT fk_booking_flight_flight
  FOREIGN KEY (flight_id) REFERENCES flights(flight_id) ON DELETE CASCADE;

ALTER TABLE flights
  ADD CONSTRAINT fk_flights_departing_airport
```

Total rows: | Query complete 00:00:00.030

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No limit

Query Query History

```sql
INSERT INTO airline(airline_id, airline_code, airline_name, airline_country, created_at, update
  (1,'KZ001','KazAir','Kazakhstan', now(), now()),
  (2,'FR001','AirEasy','France',     now(), now()),
  (3,'BR001','FlyHigh','Brazil',     now(), now()),
  (4,'PL001','FlyFly','Poland',      now(), now());

INSERT INTO airport(airport_id, airport_name, country, state, city, created_at, updated_at)
SELECT i,
       'Airport_'||i,
       CASE (i % 5)
         WHEN 0 THEN 'Kazakhstan'
         WHEN 1 THEN 'USA'
         WHEN 2 THEN 'Turkey'
         WHEN 3 THEN 'France'
         ELSE 'Poland'
       END,
       'State_'||i,
       'City_'||i,
       now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO passengers(passenger_id, first_name, last_name, date_of_birth, gender,
                       country_of_citizenship, country_of_residence, passport_number, created_a
SELECT i,
       'Name_'||i,
       'Surname_'||i,
       DATE '1985-01-01' + (i * INTERVAL '200 days'),
       CASE WHEN i % 2 = 0 THEN 'Male' ELSE 'Female' END,
       'Country_'|| (i % 10),
       'Country_'|| (i % 10),
       'P' || LPAD(i::text, 8, '0'),
       now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO flights(flight_id, sch_departure_time, sch_arrival_time,
                    departing_airport_id, arriving_airport_id,
                    departing_gate, arriving_gate,
                    airline_id, act_departure_time, act_arrival_time,
                    created_at, updated_at)
```

Total rows: Query complete 00:00:00.030

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No limit

Query Query History

```sql
INSERT INTO airline(airline_id, airline_code, airline_name, airline_country, created_at, updated_at) VALUES
  (1,'KZ001','KazAir','Kazakhstan', now(), now()),
  (2,'FR001','AirEasy','France',     now(), now()),
  (3,'BR001','FlyHigh','Brazil',     now(), now()),
  (4,'PL001','FlyFly','Poland',      now(), now());

INSERT INTO airport(airport_id, airport_name, country, state, city, created_at, updated_at)
SELECT i,
       'Airport_'||i,
       CASE (i % 5)
         WHEN 0 THEN 'Kazakhstan'
         WHEN 1 THEN 'USA'
         WHEN 2 THEN 'Turkey'
         WHEN 3 THEN 'France'
         ELSE 'Poland'
       END,
       'State_'||i,
       'City_'||i,
       now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO passengers(passenger_id, first_name, last_name, date_of_birth, gender,
                       country_of_citizenship, country_of_residence, passport_number, created_at, updated_at)
SELECT i,
       'Name_'||i,
       'Surname_'||i,
       DATE '1985-01-01' + (i * INTERVAL '200 days'),
       CASE WHEN i % 2 = 0 THEN 'Male' ELSE 'Female' END,
       'Country_'|| (i % 10),
       'Country_'|| (i % 10),
       'P' || LPAD(i::text, 8, '0'),
       now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO flights(flight_id, sch_departure_time, sch_arrival_time,
                    departing_airport_id, arriving_airport_id,
                    departing_gate, arriving_gate,
                    airline_id, act_departure_time, act_arrival_time,
                    created_at, updated_at)
```

Total rows: Query complete 00:00:00.030 LF

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No limit

Query Query History

```
INSERT INTO flights(flight_id, sch_departure_time, sch_arrival_time,
                    departing_airport_id, arriving_airport_id,
                    departing_gate, arriving_gate,
                    airline_id, act_departure_time, act_arrival_time,
                    created_at, updated_at)
SELECT i,
       now() - ((i % 500) * INTERVAL '1 hour'),
       now() - ((i % 500) * INTERVAL '1 hour') + INTERVAL '3 hours',
       1 + (i % 50),
       1 + ((i+7) % 50),
       'GATE-'||i,
       'AGATE-'||i,
       1 + (i % 4),
       (DATE '2023-06-01' + (i % 700))::timestamp,
       (DATE '2024-01-01' + (i % 700))::timestamp,
       now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO booking(booking_id, flight_id, passenger_id, booking_platform,
                    created_at, updated_at, status, ticket_price)
SELECT i,
       1 + (i % 50),
       1 + (i % 50),
       CASE (i % 3) WHEN 0 THEN 'Web' WHEN 1 THEN 'Mobile' ELSE 'Agent' END,
       now(), now(),
       CASE (i % 3) WHEN 0 THEN 'Paid' WHEN 1 THEN 'Booked' ELSE 'Cancelled' END,
       (5000 + (i*123))::DECIMAL(7,2)
FROM generate_series(1,50) AS s(i);

INSERT INTO booking_flight(booking_flight_id, booking_id, flight_id, created_at, updated_at)
SELECT i, i, 1 + (i % 50), now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO baggage(baggage_id, weight_in_kg, created_at, updated_at, booking_id)
SELECT i, (10 + (i % 15))::DECIMAL(4,2), now(), now(), 1 + (i % 50)
FROM generate_series(1,50) AS s(i);

INSERT INTO baggage_check(baggage_check_id, check_result, created_at, updated_at, booking_id, passen
```

Total rows: Query complete 00:00:00.030

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No limit

Query Query History

```sql
INSERT INTO baggage(baggage_id, weight_in_kg, created_at, updated_at, booking_id)
SELECT i, (10 + (i % 15))::DECIMAL(4,2), now(), now(), 1 + (i % 50)
FROM generate_series(1,50) AS s(i);

INSERT INTO baggage_check(baggage_check_id, check_result, created_at, updated_at, booking_id, passenger_id)
SELECT i, CASE WHEN i%4=0 THEN 'OK' ELSE 'Manual' END, now(), now(), 1 + (i % 50), 1 + (i % 50)
FROM generate_series(1,50) AS s(i);

INSERT INTO boarding_pass(boarding_pass_id, booking_id, seat, boarding_time, created_at, updated_at)
SELECT i, 1 + (i % 50), 'A' || (i % 30), now() - INTERVAL '1 hour', now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO security_check(security_check_id, check_result, created_at, updated_at, passenger_id)
SELECT i, CASE WHEN i%2=0 THEN 'OK' ELSE 'Extra' END, now(), now(), 1 + (i % 50)
FROM generate_series(1,20) AS s(i);

INSERT INTO airline(airline_id, airline_code, airline_name, airline_country)
VALUES (101, 'KZKZ', 'KazAir', 'Kazakhstan');


UPDATE airline
SET airline_country='Turkey', updated_at=now()
WHERE airline_name='KazAir';

INSERT INTO airline(airline_id, airline_code, airline_name, airline_country) VALUES
  (102, 'FRAE', 'AirEasy', 'France'),
  (103, 'BRFH', 'FlyHigh', 'Brazil'),
  (104, 'PLFF', 'FlyFly',  'Poland');

DELETE FROM flights
WHERE EXTRACT(YEAR FROM act_arrival_time) = 2024;

UPDATE booking
SET ticket_price = ROUND(ticket_price * 1.15, 2),
    updated_at = '2025-09-23 20:50:50';

select * from booking;

DELETE FROM booking WHERE ticket_price < 10000;
```

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No limit

Query Query History

```
INSERT INTO baggage(baggage_id, weight_in_kg, created_at, updated_at, booking_id)
SELECT i, (10 + (i % 15))::DECIMAL(4,2), now(), now(), 1 + (i % 50)
FROM generate_series(1,50) AS s(i);

INSERT INTO baggage_check(baggage_check_id, check_result, created_at, updated_at, booking_id, passenger_id)
SELECT i, CASE WHEN i%4=0 THEN 'OK' ELSE 'Manual' END, now(), now(), 1 + (i % 50), 1 + (i % 50)
FROM generate_series(1,50) AS s(i);

INSERT INTO boarding_pass(boarding_pass_id, booking_id, seat, boarding_time, created_at, updated_at)
SELECT i, 1 + (i % 50), 'A' || (i % 30), now() - INTERVAL '1 hour', now(), now()
FROM generate_series(1,50) AS s(i);

INSERT INTO security_check(security_check_id, check_result, created_at, updated_at, passenger_id)
SELECT i, CASE WHEN i%2=0 THEN 'OK' ELSE 'Extra' END, now(), now(), 1 + (i % 50)
FROM generate_series(1,20) AS s(i);

INSERT INTO airline(airline_id, airline_code, airline_name, airline_country)
VALUES (101, 'KZKZ', 'KazAir', 'Kazakhstan');


UPDATE airline
SET airline_country='Turkey', updated_at=now()
WHERE airline_name='KazAir';

INSERT INTO airline(airline_id, airline_code, airline_name, airline_country) VALUES
  (102, 'FRAE', 'AirEasy', 'France'),
  (103, 'BRFH', 'FlyHigh', 'Brazil'),
  (104, 'PLFF', 'FlyFly',  'Poland');

DELETE FROM flights
WHERE EXTRACT(YEAR FROM act_arrival_time) = 2024;

UPDATE booking
SET ticket_price = ROUND(ticket_price * 1.15, 2),
    updated_at = '2025-09-23 20:50:50';

select * from booking;

DELETE FROM booking WHERE ticket_price < 10000;
```

Total rows: Query complete 00:00:00.030 LF Ln 158, Col 1