

practice1 Version control

Database Explorer

postgres@localhost

- columns 6
  - airline\_id integer
  - airline\_name varchar
  - airline\_country varchar
  - created\_at timestamp
  - updated\_at timestamp
  - info varchar(50)
- keys 1
- indexes 1
- triggers 1
- airline\_info
- airport
- baggage
- baggage\_check
- boarding\_pass
- booking
- booking\_flight
- flight
- flights
- passengers
- security\_check
- ticket
- routes 1
- sequences 12
- Database Objects
- Server Objects

```
739 FROM flights
740 JOIN airport ON flights.arriving_airport_id = airport.airport_id
741 JOIN airline ON flights.airline_id = airline.airline_id
742 WHERE airport.country = 'Kazakhstan';
743 --ex7
744 -- SELECT Passengers.first_name, Passengers.last_name, arriving_airport_id
745 -- FROM passengers
746 -- JOIN flights ON passengers.passenger_id = flights.arriving_airport_id
747 -- WHERE extract(year from age(passengers(date_of_birth))) > 18
748
749 SELECT Passengers.first_name, Passengers.last_name, arriving_airport_id
750 FROM passengers
751 JOIN flights ON passengers.passenger_id = flights.arriving_airport_id
752 WHERE passengers.date_of_birth > CURRENT_DATE - INTERVAL '18 years';
753
754 --ex8
755 SELECT Passengers.first_name, Passengers.last_name, Passengers.passport_number, Flights.act_arrival_time
756 FROM passengers
757 JOIN flights ON passengers.passenger_id = flights.flight_id;
758
759 --ex9
760 SELECT
761     airport.country AS country,
762     flights.flight_id,
763     airline.airline_name AS airline_name
764 FROM flights
765 JOIN airline ON flights.airline_id = airline.airline_id
766 JOIN airport ON flights.departing_airport_id = airport.airport_id
767 WHERE airline.airline_country = airport.country
768 GROUP BY airport.country, flights.flight_id, airline.airline_name
769 ORDER BY airport.country;
```

Services Database

practice1 ex1.sql 723:102 LF UTF-8 4 spaces

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```
721 WHERE flights.flight_id IS NULL;
722 --ex4
723 SELECT passengers.passenger_id, passengers.first_name, passengers.last_name, Passengers.date_of_birth
724 FROM passengers
725 JOIN flights ON passengers.passenger_id = flights.flight_id;
726 --ex5
727 SELECT
728     flight_id,
729     AVG(ticket.ticket_price) AS avrg_price,
730     SUM(ticket.ticket_price) AS total,
731     MAX(ticket.ticket_price) AS max_price,
732     MIN(ticket.ticket_price) AS min_price
733 FROM ticket
734 GROUP BY flight_id;
735
736 --ex6
737 SELECT
738     airline.airline_name AS airline_nme
739 FROM flights
740 JOIN airport ON flights.arriving_airport_id = airport.airport_id
741 JOIN airline ON flights.airline_id = airline.airline_id
742 WHERE airport.country = 'Kazakhstan';
743 --ex7
744 -- SELECT Passengers.first_name, Passengers.last_name, arriving_airport_id
745 -- FROM passengers
746 -- JOIN flights ON passengers.passenger_id = flights.arriving_airport_id
747 -- WHERE extract(year from age(passengers(date_of_birth))) > 18
748
749 SELECT Passengers.first_name, Passengers.last_name, arriving_airport_id
750 FROM passengers
751 JOIN flights ON passengers.passenger_id = flights.arriving_airport_id
```

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ex1.sql ticket console

postgres@localhost

```
--ex1
SELECT flights.flight_id, flights.arriving_airport_id, airline.airline_name
FROM flights
INNER JOIN airline ON flights.airline_id = airline.airline_id
WHERE airline.airline_name = 'CLY';
--I have no airline_name in the column flights
--ex2
SELECT flights.flight_id, flights.airline_id, airport.airport_name AS departure
FROM flights
INNER JOIN airport ON flights.departing_airport_id = airport.airport_id;
--ex3
SELECT airline.airline_name
FROM airline
LEFT JOIN flights ON airline.airline_id = flights.airline_id
AND act_arrival_time BETWEEN '2024-11-01' and '2024-11-30'
WHERE flights.flight_id IS NULL;
--ex4
SELECT passengers.passenger_id, passengers.first_name, passengers.last_name, Passengers.date_of_birth
FROM passengers
JOIN flights ON passengers.passenger_id = flights.flight_id;
--ex5
SELECT
    flight_id,
    AVG(ticket.ticket_price) AS avrg_price,
    SUM(ticket.ticket_price) AS total,
    MAX(ticket.ticket_price) AS max_price,
    MIN(ticket.ticket_price) AS min_price
FROM ticket
GROUP BY flight_id;
--ex6
```

Services Database

practice1 ex1.sql 723:102 LF UTF-8 4 spaces