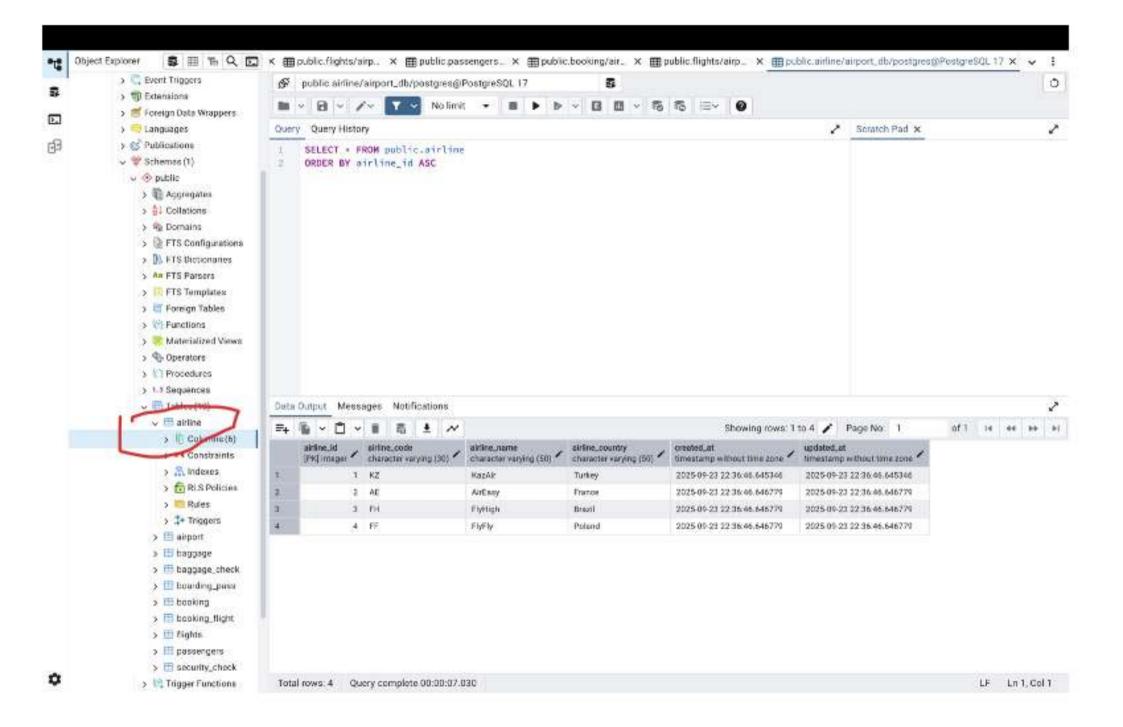
```
zhaulybek7icloud.com > Downloads > = lab2.sql
CREATE TABLE airline info (
  airline_id SERIAL PRIMARY KEY,
  airline_code VARCHAR(30) NOT NULL,
  airline_name VARCHAR(50) NOT NULL,
  airline_country VARCHAR(50) NOT NULL,
  created_at TIMESTAMP NOT NULL DEFAULT now(),
  updated_at TIMESTAMP NOT NULL DEFAULT now(),
  info VARCHAR(50) NOT NULL
);
CREATE TABLE airport (
  airport_id SERIAL 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()
);
CREATE TABLE passengers (
  passenger_id SERIAL 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()
);
```

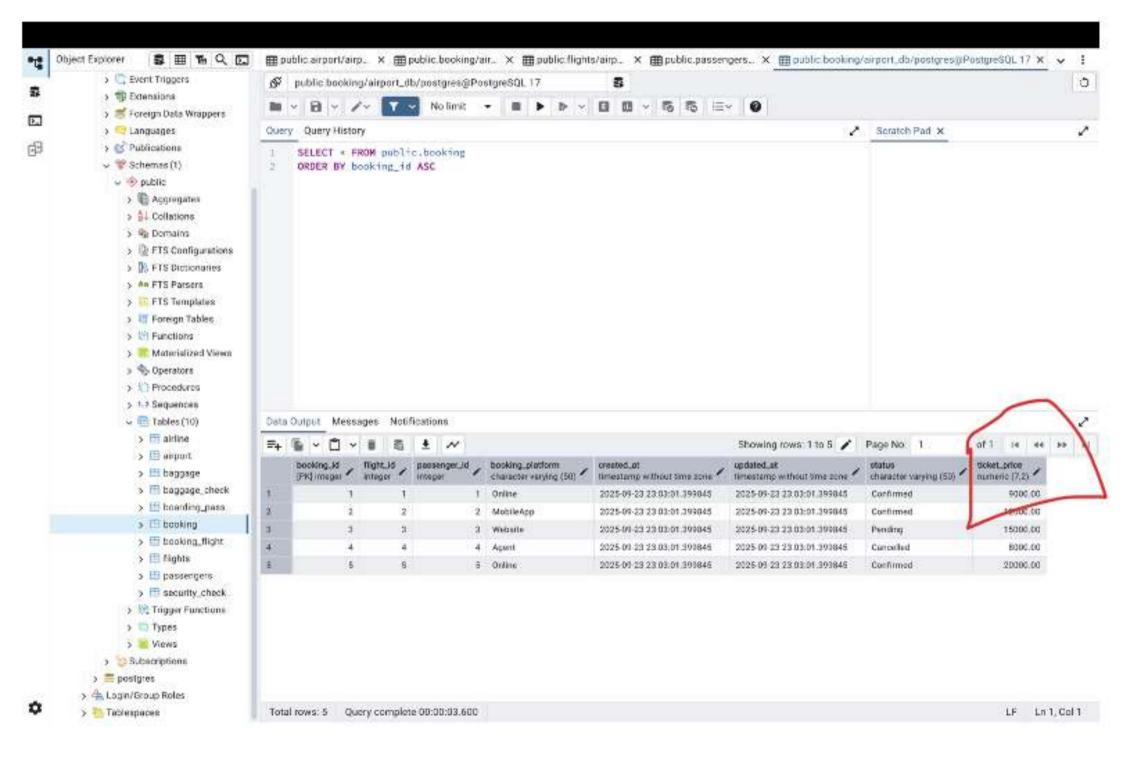
```
CREATE TABLE flights (
  flight id SERIAL PRIMARY KEY,
  sch_departure_time TIMESTAMP NOT NULL,
  sch arrival time TIMESTAMP NOT NULL,
 departing_airport_id INT NOT NULL,
 arriving airport id INT NOT NULL,
 departing_gate VARCHAR(50) NOT NULL,
 arriving gate VARCHAR(50) NOT NULL,
 airline id INT 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()
CREATE TABLE booking (
 booking id SERIAL PRIMARY KEY,
 flight id INT NOT NULL,
 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
CREATE TABLE booking_flight (
 booking_flight_id SERIAL 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()
```

```
CREATE TABLE boarding_pass (
 boarding pass id SERIAL 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()
CREATE TABLE baggage (
 baggage_id SERIAL 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
CREATE TABLE baggage_check (
 baggage_check_id SERIAL 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
CREATE TABLE security check (
  security_check_id SERIAL 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
```

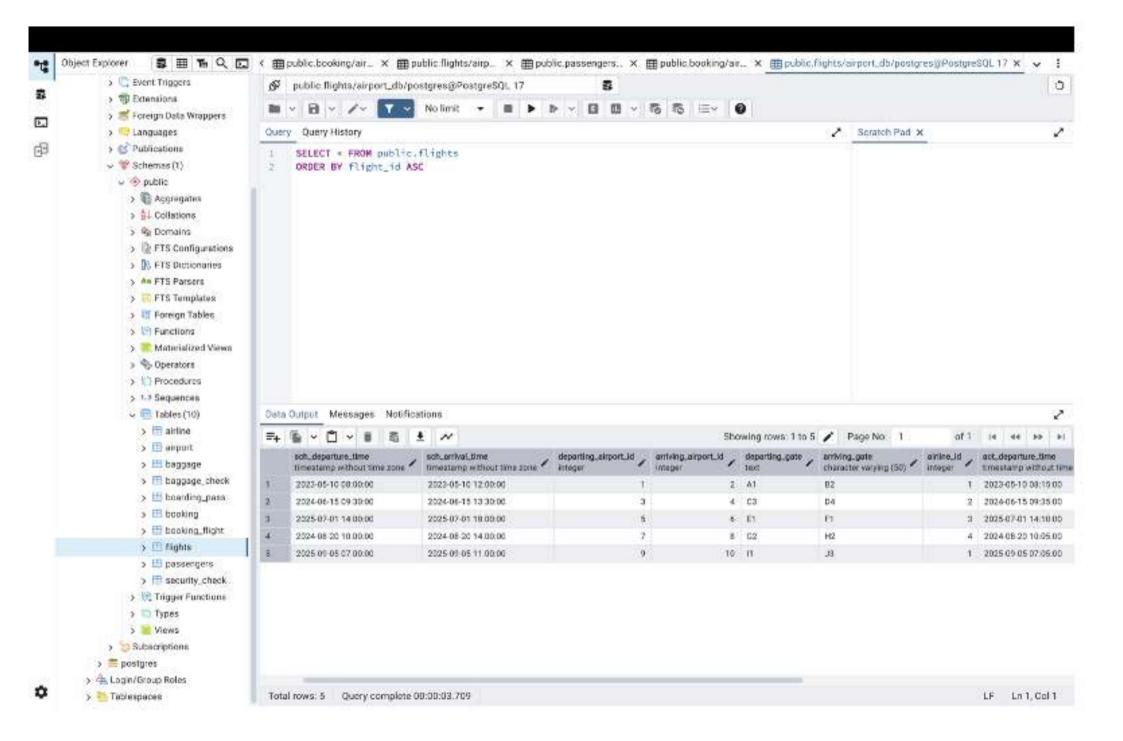
ALTER TABLE airline_info RENAME TO airline;



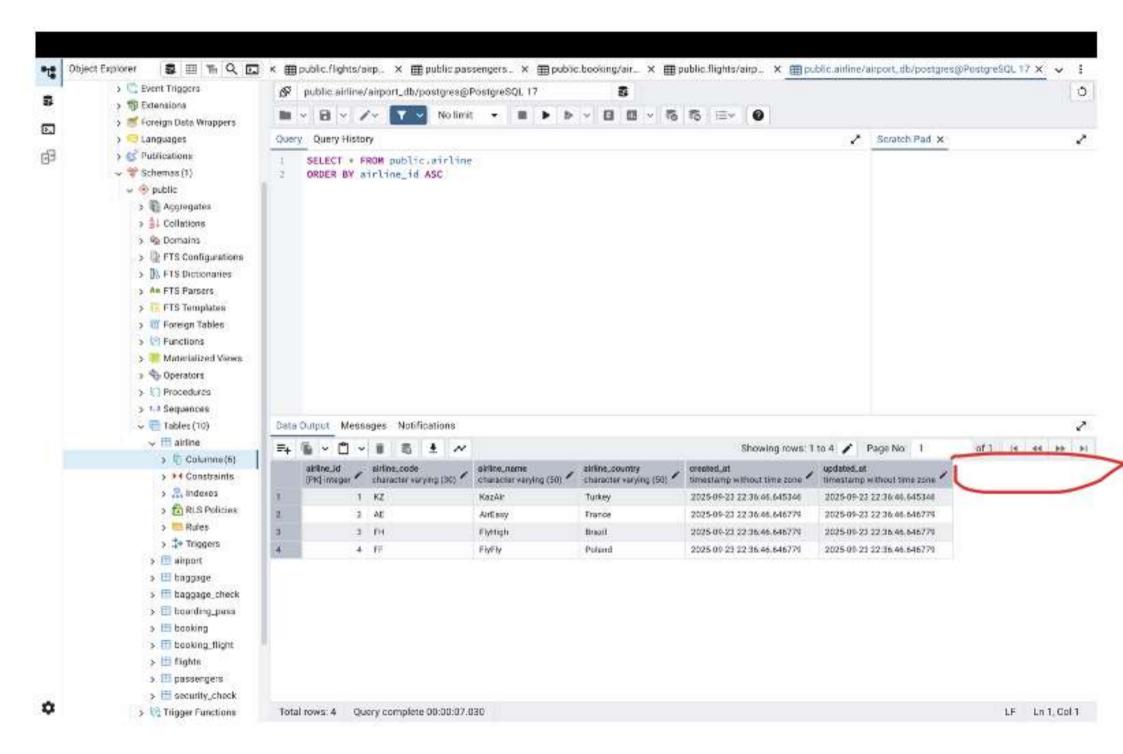
ALTER TABLE booking RENAME COLUMN price TO ticket_price;



ALTER TABLE flights ALTER COLUMN departing_gate TYPE text;

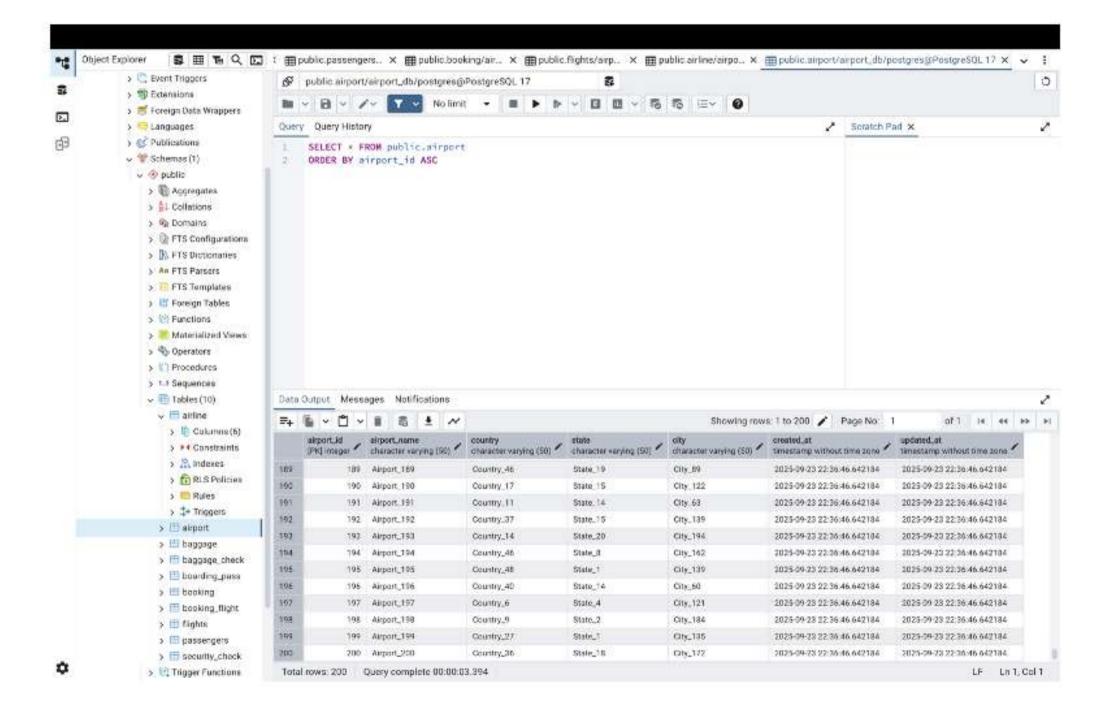


ALTER TABLE airline DROP COLUMN info;



DML1

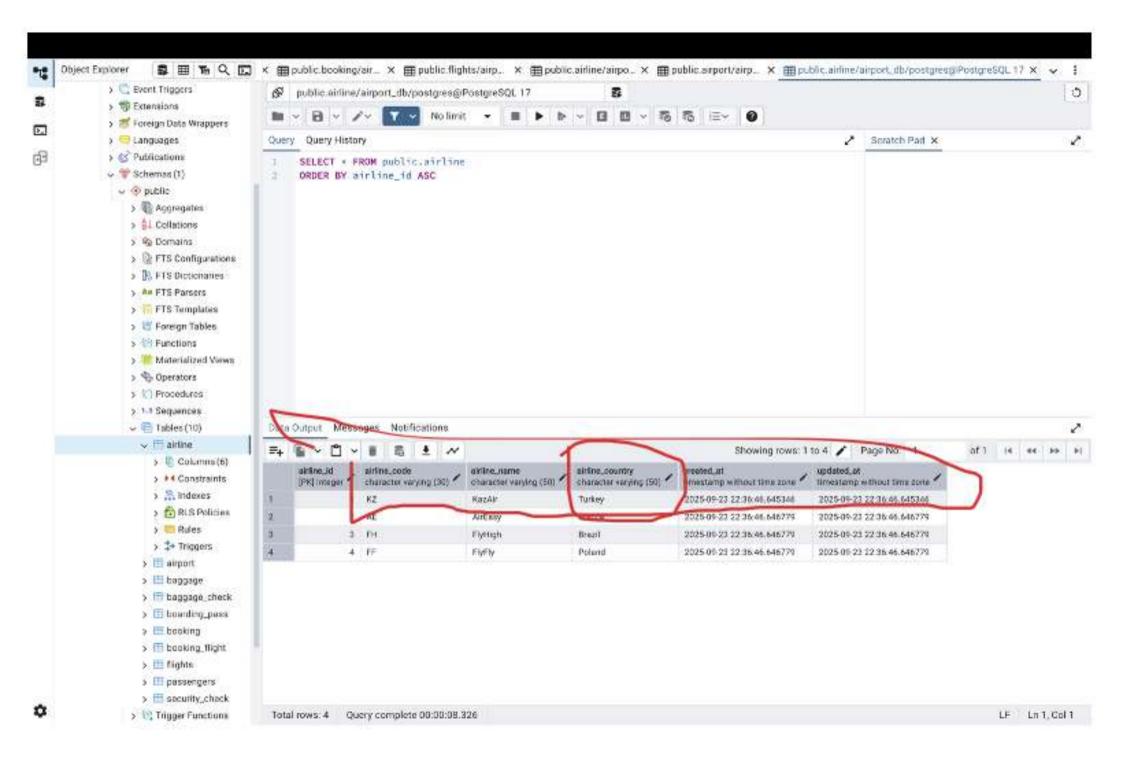
```
INSERT INTO airport (airport_name, country, state, city, created_at, updated_at)
SELECT
    'Airport_'||gs,
    'Country_'|| (1 + floor(random()*50))::int,
    'State_'|| (1 + floor(random()*20))::int,
    'City_'|| (1 + floor(random()*200))::int,
    now(),
    now()
FROM generate_series(1,200) AS gs;
```



DML2,3

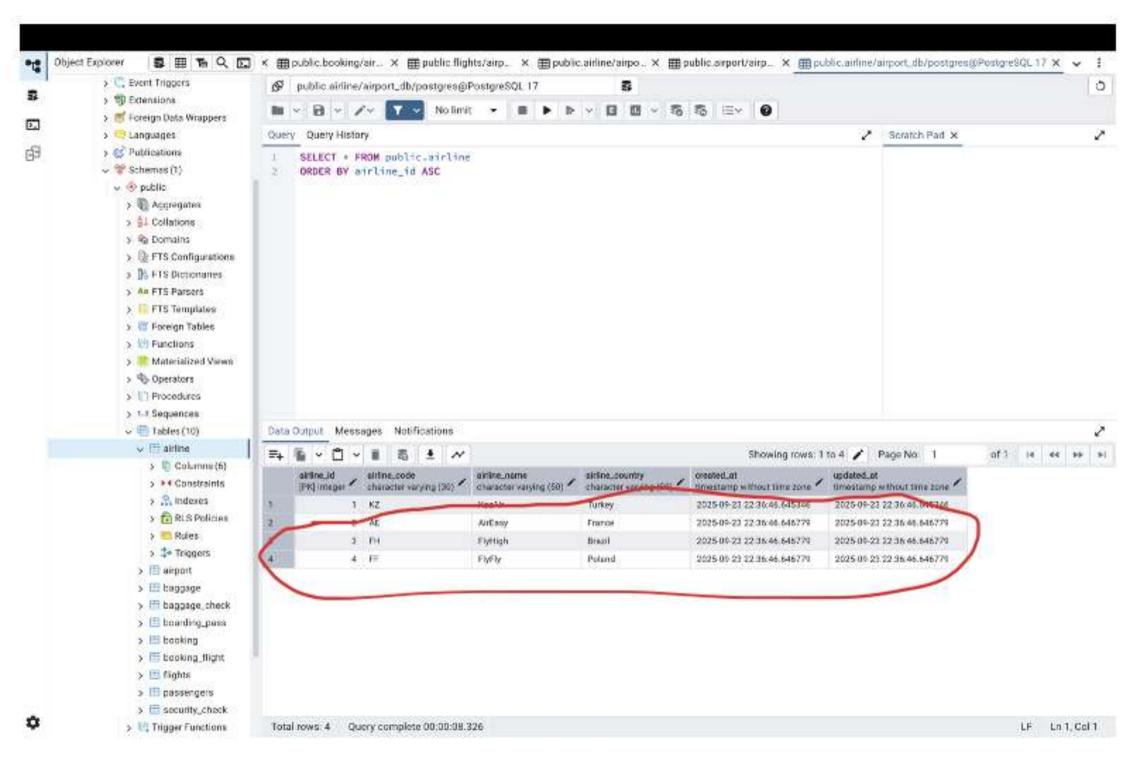
```
INSERT INTO airline (airline_code, airline_name, airline_country)
VALUES ('KZ', 'KazAir', 'Kazakhstan');

UPDATE airline SET airline_country = 'Turkey' WHERE airline_name = 'KazAir';
```



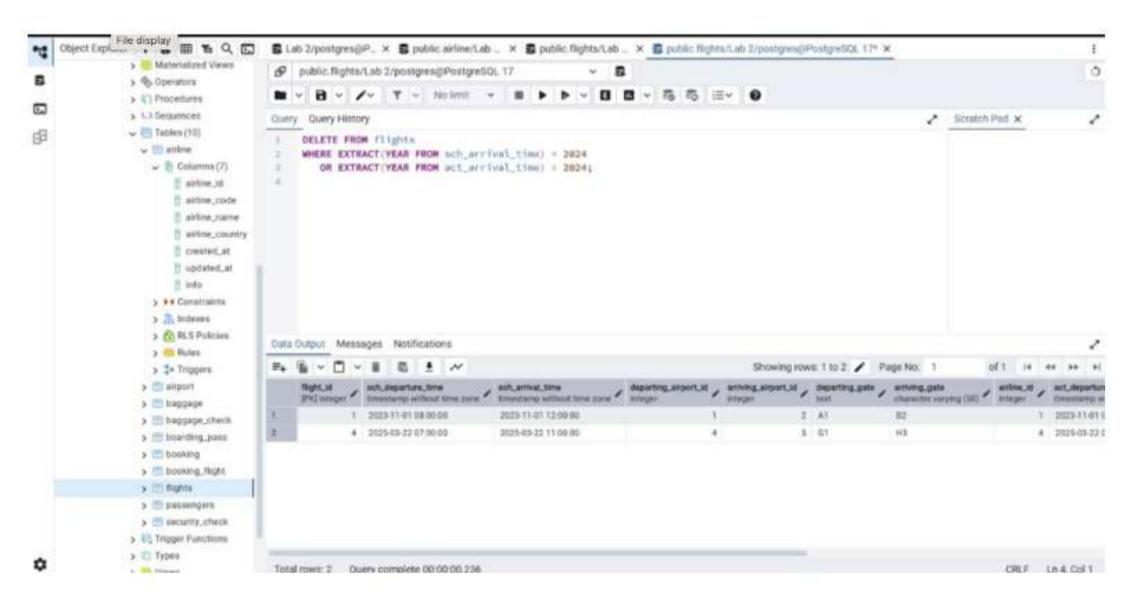
DML4

```
INSERT INTO airline (airline_code, airline_name, airline_country)
VALUES
    ('AE','AirEasy','France'),
    ('FH','FlyHigh','Brazil'),
    ('FF','FlyFly','Poland');
```



DML5

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



```
UPDATE booking
SET ticket_price = ROUND(ticket_price * 1.15, 2);
DELETE FROM booking WHERE ticket_price < 10000;</pre>
```

