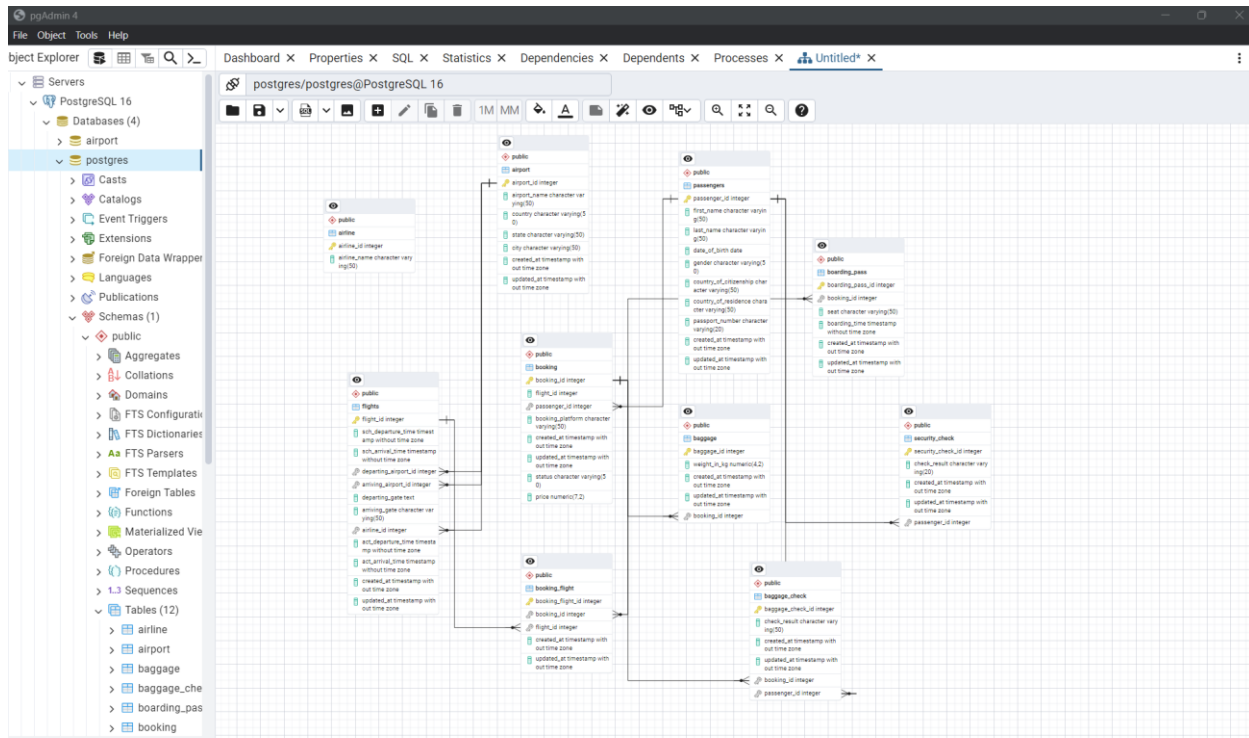


Laboratory work 2



1.

airport_id	airport_name	country	state	city	created_at	update
1	Safia Airport	South Africa	<null>	Koppies	2024-09-25 11:31:00.000000	2024-09-2
2	Springfield-Beckley Municipal Airport	Uruguay	<null>	Palmitas	2024-09-25 21:47:00.000000	2024-09-2
3	Pampa Guanaco Airport	Russia	<null>	Nikolayevsk	2024-09-25 01:42:00.000000	2024-09-2
4	Fazenda Palmital Airport	Russia	<null>	Novonukutskiy	2024-09-25 13:10:00.000000	2024-09-2
5	Ovarzazate Airport	Canada	Québec	Saint-Constant	2024-09-25 02:03:00.000000	2024-09-2
6	Mcheuru Airport	China	<null>	Pinghu	2024-09-25 09:39:00.000000	2024-09-2
7	Dnipropetrovsk International Airport	Thailand	<null>	Wat Bot	2024-09-25 03:35:00.000000	2024-09-2
8	Leeds Bradford Airport	Brazil	<null>	Guaçuí	2024-09-25 02:22:00.000000	2024-09-2
9	Tobago-Crown Point Airport	Russia	<null>	Ordzhonikidzevskaya	2024-09-25 12:20:00.000000	2024-09-2
10	Casuarito Airport	China	<null>	Fasi	2024-09-25 14:42:00.000000	2024-09-2
11	Malaga Airport	Nigeria	<null>	Oke Iho	2024-09-25 04:42:00.000000	2024-09-2
12	Joshua Mqabuko Nkomo International Airport	Indonesia	<null>	Tanggulangin	2024-09-25 20:55:00.000000	2024-09-2
13	Ástor Piazzola International Airport	Colombia	<null>	Chiquinquirá	2024-09-25 11:46:00.000000	2024-09-2
14	Brønnøysund Airport	Indonesia	<null>	Dukuhsia	2024-09-25 00:19:00.000000	2024-09-2
15	Faaff International Airport	Kyrgyzstan	Osh	Belovodskoye	2024-09-25 20:48:00.000000	2024-09-2
16	Cherbourg-Maupertus Airport	Norway	Oslo	Oslo	2024-09-25 17:56:00.000000	2024-09-2
17	Kulumburu Airport	Russia	<null>	Shar'ya	2024-09-25 07:37:00.000000	2024-09-2
18	Basanth Nagar Airport	Poland	<null>	Huta Stara B	2024-09-25 00:19:00.000000	2024-09-2
19	Jinnah International Airport	China	<null>	Huangqu	2024-09-25 02:19:00.000000	2024-09-2
20	Malamala Airport	Morocco	<null>	Bzou	2024-09-25 12:54:00.000000	2024-09-2
21	Melanguane Airport	China	<null>	Lantian	2024-09-25 01:45:00.000000	2024-09-2
22	Canyonlands Field	Russia	<null>	Mikun'	2024-09-25 01:54:00.000000	2024-09-2
23	Whiteriver Airport	Mongolia	<null>	Eg	2024-09-25 13:35:00.000000	2024-09-2
24	Ovda International Airport	Moldova	<null>	Briceni	2024-09-25 23:40:00.000000	2024-09-2
25	Souva Airport	Monrovia	<null>	Tsontsengal	2024-09-25 06:12:00.000000	2024-09-2

2.

Database Explorer

console x MOCK_DATA (1).csv airport MOCK_DATA.csv Scratches and Consoles

Services

Output postgres.public.airport

airport_id	airport_name	country	state	city	created_at	update
76	Edinburgh Airport	United Kingdom	Scotland	Edinburgh	2024-09-25 22:22:00.000000	2024-09-2
77	Helsinki-Vantaa Airport	Finland	Uusimaa	Vantaa	2024-09-25 02:55:00.000000	2024-09-2
78	Lisbon Airport	Portugal	<null>	Lisbon	2024-09-25 03:22:00.000000	2024-09-2
79	Bucharest Henri Coandă International Airport	Romania	<null>	Otopeni	2024-09-25 19:05:00.000000	2024-09-2
80	Lima Jorge Chávez International Airport	Peru	<null>	Callao	2024-09-25 01:57:00.000000	2024-09-2
81	Fukuoka Airport	Japan	Fukuoka	Fukuoka	2024-09-25 10:24:00.000000	2024-09-2
82	Detroit Metropolitan Wayne County Airport	United States	Michigan	Detroit	2024-09-25 05:29:00.000000	2024-09-2
83	Marrakech Menara Airport	Morocco	<null>	Marrakech	2024-09-25 06:17:00.000000	2024-09-2
84	Bahrain International Airport	Bahrain	<null>	Muharraq	2024-09-25 12:06:00.000000	2024-09-2
85	Oslo Gardermoen Airport	Norway	Viken	Gardermoen	2024-09-25 02:18:00.000000	2024-09-2
86	Antalya Airport	Turkey	<null>	Antalya	2024-09-25 23:11:00.000000	2024-09-2
87	Düsseldorf Airport	Germany	North Rhine-Westphalia	Düsseldorf	2024-09-25 18:54:00.000000	2024-09-2
88	Naples International Airport	Italy	Campania	Naples	2024-09-25 04:42:00.000000	2024-09-2
89	Birmingham Airport	United Kingdom	England	Birmingham	2024-09-25 15:10:00.000000	2024-09-2
90	Cooinda International Airport	China	Sichuan	Heqing	2024-09-25 02:01:00.000000	2024-09-2
91	Genoa Cristoforo Colombo Airport	Italy	Liguria	Genoa	2024-09-25 18:22:00.000000	2024-09-2
92	Bordeaux-Mérignac Airport	France	Nouvelle-Aquitaine	Bordeaux	2024-09-25 05:39:00.000000	2024-09-2
93	Alicante-Elche Airport	Spain	Valencian Community	Alicante	2024-09-25 21:16:00.000000	2024-09-2
94	Catania Fontanarossa Airport	Italy	Sicily	Catania	2024-09-25 10:49:00.000000	2024-09-2
95	Thessaloniki Airport	Greece	<null>	Thessaloniki	2024-09-25 15:57:00.000000	2024-09-2
96	Calgary International Airport	Canada	Alberta	Calgary	2024-09-25 01:03:00.000000	2024-09-2
97	Lyon-Saint Exupéry Airport	France	Auvergne-Rhône-Alpes	Lyon	2024-09-25 04:59:00.000000	2024-09-2
98	Dublin Airport	Ireland	<null>	Dublin	2024-09-25 10:39:00.000000	2024-09-2
99	Chattanooga Metropolitan Airport	United States	Tennessee	Chattanooga	2024-09-25 16:31:00.000000	2024-09-2
100	San Antonio International Airport	United States	Texas	San Antonio	2024-09-25 11:00:00.000000	2024-09-2

Database Consoles > postgres@localhost > console 1:23 (22 chars) CRLF UTF-8 4 spaces

14°C Cloudy

Database Explorer

console x airline MOCK_DATA (1).csv airport MOCK_DATA.csv Scratches and Consoles

Services

Output postgres.public.airline

```
1
2 INSERT INTO airline (airline_id, airline_name, country)
3 VALUES ('airline_id_1', airline_name 'KazAir', country 'Kazakhstan');
4 select * from airline;
```

postgres@localhost 1 of 4

postgres 1 of 3

public 1 of 3

tables 12

- airline
- airport
- baggage
- baggage_check
- boarding_pass
- booking
- booking_flight
- flights
- passengers
- phonebook
- price
- security_check

Database Objects

- access methods 7
- casts 229
- extensions 2

Services

Output postgres.public.airline

airline_id	airline_name	country
1	KazAir	Kazakhstan

Database Consoles > postgres@localhost > console 2:13 CRLF UTF-8 4 spaces

14°C Cloudy

3.

4.

The screenshot shows a database management interface with a 'Database Explorer' on the left, a 'console' tab in the center, and a 'Services' section at the bottom. The 'Database Explorer' shows a PostgreSQL database with a 'public' schema containing 12 tables. The 'console' tab displays the following SQL query:

```
1 UPDATE airline
2 SET country = 'Turkey'
3 WHERE airline_name = 'KazAir';
4
5 select * from airline;
```

The 'Services' section shows the output of the query as a table with one row:

airline_id	airline_name	country
1	KazAir	Turkey

The status bar at the bottom indicates the database is 'postgres@localhost' and the console is active.

5.

The screenshot shows the same database management interface as above, but with a different SQL query in the 'console' tab:

```
1 DELETE FROM airline
2 WHERE airline_name = 'SIT';
3
4 select * from airline;
```

The 'Services' section shows the output of the query as a table with one row:

airline_id	airline_name	country
1	KazAir	Turkey

The status bar at the bottom indicates the database is 'postgres@localhost' and the console is active.

6.

Database Explorer

console

```
1 INSERT INTO airline (airline_id, airline_name, country)
2 VALUES
3   (airline_id 2, airline_name 'AirEasy', country 'France'),
4   (airline_id 3, airline_name 'FlyHigh', country 'Brazil'),
5   (airline_id 4, airline_name 'FlyFly', country 'Poland');
6
7 select * from airline;
```

Scratches and Consoles

Database Consoles

postgres@localhost

console

Extensions

Services

Output postgres.public.airline

airline_id	airline_name	country
1	KazAir	Turkey
2	AirEasy	France
3	FlyHigh	Brazil
4	FlyFly	Poland

Database Consoles > postgres@localhost > console

5.7 CRLF UTF-8 4 spaces

14°C Cloudy

23:18 25.09.2024

7.

Database Explorer

console

```
1 DELETE FROM flights
2 WHERE EXTRACT(YEAR FROM sch_arrival_time) = 2024;
3
4 select * from flights;
```

Scratches and Consoles

Database Consoles

postgres@localhost

console

Extensions

Services

Output postgres.public.flights

flight_id	sch_departure_time	sch_arrival_time	departing_airport_id	arriving_airport_id	departing_gate	arriving_gate
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Database Consoles > postgres@localhost > console

4.22 CRLF UTF-8 4 spaces

13°C Cloudy

23:19 25.09.2024

8.

The screenshot shows a database management interface with a 'Database Explorer' on the left, a 'console' tab in the center, and a 'Services' section at the bottom. The 'Database Explorer' shows a PostgreSQL database with a 'public' schema containing several tables, including 'airline', 'airport', 'baggage', 'baggage_check', 'boarding_pass', 'booking', 'booking_flight', 'flights', 'passengers', 'phonebook', 'price', and 'security_check'. The 'console' tab displays the following SQL query:

```
1 UPDATE Booking
2 SET price = price * 1.10;
3
4 select * from booking;
```

The 'Services' section shows the output of the query, displaying a table with columns: booking_id, flight_id, passenger_id, booking_platform, created_at, updated_at, status, and price. The table is currently empty (0 rows).

9.

The screenshot shows the same database management interface as above, but with a different SQL query in the 'console' tab:

```
1 DELETE FROM Booking
2 WHERE price < 1000;
3
4 select * from booking;
```

The 'Services' section shows the output of the query, displaying a table with columns: booking_id, flight_id, passenger_id, booking_platform, created_at, updated_at, status, and price. The table is currently empty (0 rows).