

**Министерство науки и высшего образования Российской Федерации**  
федеральное государственное автономное образовательное учреждение высшего образования  
**«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО»**

**Отчет**

по лабораторной работе

«Создание таблиц базы данных PostgreSQL. Заполнение таблиц рабочими данными»

по дисциплине «**Базы данных**»

Автор: Макунина А.А.

Факультет: ИКТ

Группа: K32421

Преподаватель: Говорова М.М.



Санкт-Петербург 2023

**Цель работы:** овладеть практическими навыками создания таблиц базы данных PostgreSQL 1X, заполнения их рабочими данными, резервного копирования и восстановления БД.

**Оборудование:** компьютерный класс.

**Программное обеспечение:** СУБД PostgreSQL 1X, pgAdmin 4.

**Практическое задание:**

1. Создать базу данных с использованием pgAdmin 4 (согласно индивидуальному заданию).
2. Создать схему в составе базы данных.
3. Создать таблицы базы данных.
4. Установить ограничения на данные: *Primary Key, Unique, Check, Foreign Key*.
5. Заполнить таблицы БД рабочими данными.
6. Создать резервную копию БД.

**Ход работы:**

### **1. Создание базы данных**

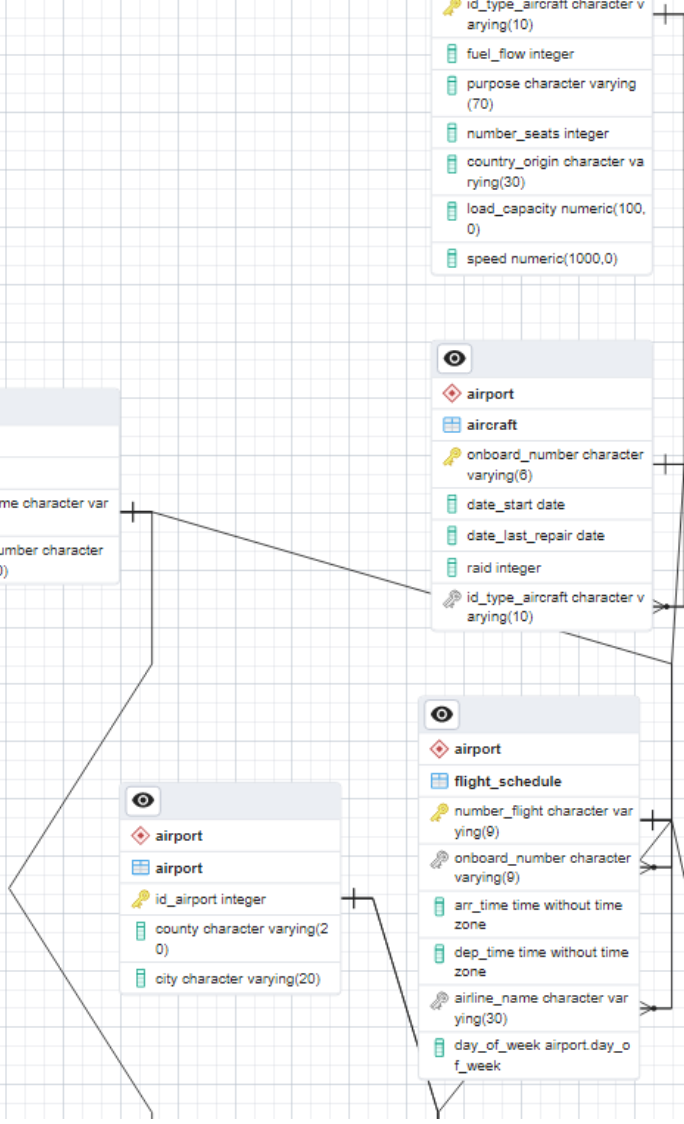
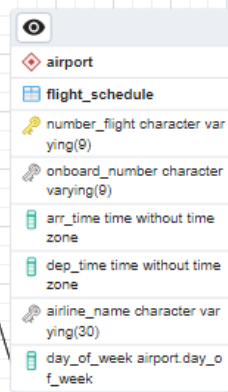
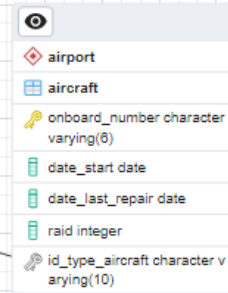
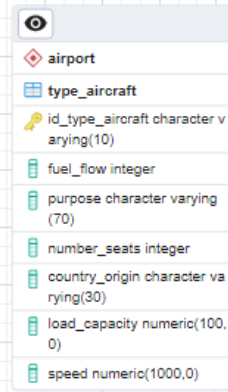
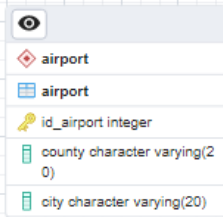
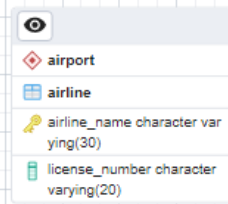
Для создания базы данных я использовала диалоговые окна в pgAdmin 4, которое предназначено для написания SQL запросов и разработки баз данных.

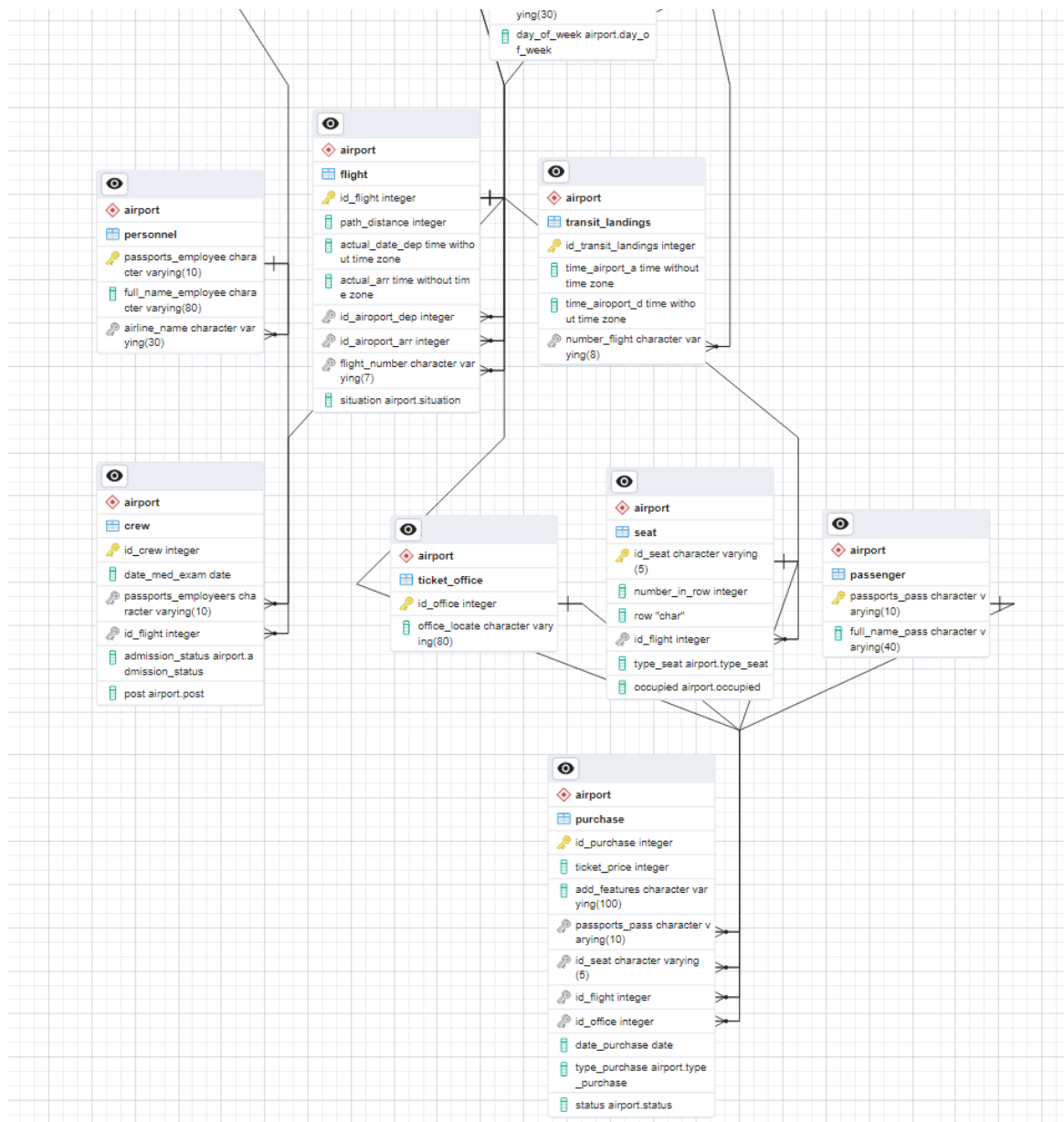
```
CREATE DATABASE "Airport"  
  
WITH  
  
OWNER = postgres  
  
ENCODING = 'UTF8'  
  
LC_COLLATE = 'Russian_Russia.1251'  
  
LC_CTYPE = 'Russian_Russia.1251'  
  
TABLESPACE = pg_default  
  
CONNECTION LIMIT = -1  
  
IS_TEMPLATE = False;
```

### **2. Заполнение таблиц рабочими данными**

Для заполнения таблиц рабочими данными я пользовалась скриптом INSERT. Скрипт можно будет увидеть ниже в разделе создания резервной копии базы данных.

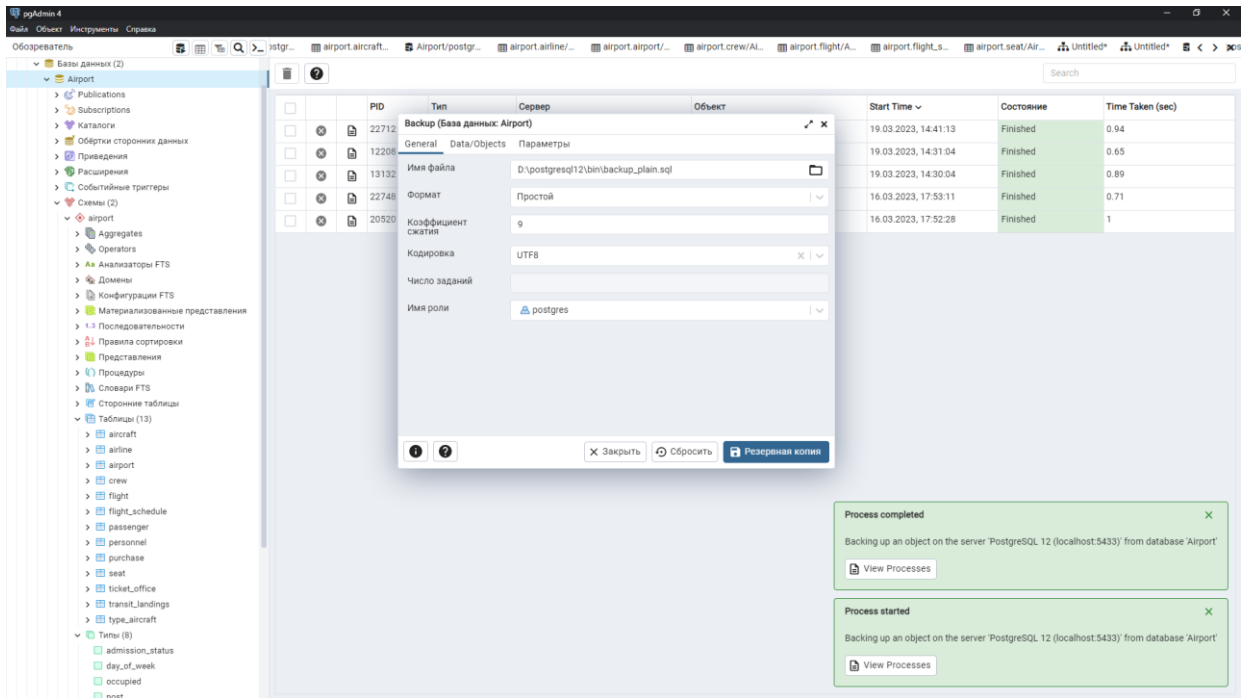
### **3. Логическая схема базы данных**





#### 4. Создание резервной копии базы данных

Я использовала утилиту pgAdmin 4 для создания двух резервных копий: одна с расширением CUSTOM, которую можно использовать для восстановления базы данных, и вторая с расширением PLAIN, которую я покажу в этом отчете. Если Вы хотите просмотреть полноценный файл, вы можете найти его в приложении к отчету "backup\_plain.txt".



```
--
-- PostgreSQL database dump
--

-- Dumped from database version 12.14
-- Dumped by pg_dump version 14.7

-- Started on 2023-03-19 14:48:21

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET client_encoding = 'WIN1251';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;

--
-- TOC entry 3003 (class 1262 OID 16393)
-- Name: Airport; Type: DATABASE; Schema: -; Owner: postgres
--

CREATE DATABASE "Airport" WITH TEMPLATE = template0 ENCODING = 'UTF8'
LOCALE = 'Russian_Russia.1251';

ALTER DATABASE "Airport" OWNER TO postgres;

\connect "Airport"

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
```

```

SET client_encoding = 'WIN1251';
SET standard_conforming_strings = on;
SELECT pg_catalog.set_config('search_path', '', false);
SET check_function_bodies = false;
SET xmloption = content;
SET client_min_messages = warning;
SET row_security = off;

--
-- TOC entry 6 (class 2615 OID 16394)
-- Name: airport; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA airport;

ALTER SCHEMA airport OWNER TO postgres;

--
-- TOC entry 703 (class 1247 OID 16902)
-- Name: admission_status; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.admission_status AS ENUM (
    'Admission',
    'Non-admission',
    'Dismissed',
    'Emergency situation'
);

ALTER TYPE airport.admission_status OWNER TO postgres;

--
-- TOC entry 555 (class 1247 OID 16396)
-- Name: day_of_week; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.day_of_week AS ENUM (
    'ПН',
    'BT',
    'CP',
    'УТ',
    'ПТ',
    'CB',
    'BC',
    'Mon',
    'Tue',
    'Wed',
    'Thu',
    'Fri',
    'Sat',
    'Sun',
);

ALTER TYPE airport.day_of_week OWNER TO postgres;

```

```

--
-- TOC entry 558 (class 1247 OID 16412)
-- Name: occupied; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.occupied AS ENUM (
    'Занято',
    'Свободно'
);

ALTER TYPE airport.occupied OWNER TO postgres;

--
-- TOC entry 706 (class 1247 OID 16912)
-- Name: post; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.post AS ENUM (
    'Purser',
    'Flight attendant',
    'Flight medic',
    'Loadmaster',
    'Captain',
    'First Officer',
    'Second Officer',
    'Third Officer',
    'Flight Engineer',
    'Airborne Sensor Operator'
);

ALTER TYPE airport.post OWNER TO postgres;

--
-- TOC entry 700 (class 1247 OID 16864)
-- Name: situation; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.situation AS ENUM (
    'Запланирован',
    'Посадка',
    'Вылетел',
    'Прилетел',
    'Отменён',
    'Задерживается'
);

ALTER TYPE airport.situation OWNER TO postgres;

--
-- TOC entry 646 (class 1247 OID 16418)
-- Name: status; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.status AS ENUM (
    'Успешно',

```

```

        'Ожидает оплаты',
        'Неуспешно',
        'Возврат'
    );

ALTER TYPE airport.status OWNER TO postgres;

--
-- TOC entry 649 (class 1247 OID 16428)
-- Name: type_purchase; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.type_purchase AS ENUM (
    'Электронный',
    'В кассе'
);

ALTER TYPE airport.type_purchase OWNER TO postgres;

--
-- TOC entry 652 (class 1247 OID 16434)
-- Name: type_seat; Type: TYPE; Schema: airport; Owner: postgres
--

CREATE TYPE airport.type_seat AS ENUM (
    'ЭК',
    'БК'
);

ALTER TYPE airport.type_seat OWNER TO postgres;

SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- TOC entry 203 (class 1259 OID 16439)
-- Name: aircraft; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.aircraft (
    onboard_number character varying(6) NOT NULL,
    date_start date NOT NULL,
    date_last_repair date,
    raid integer,
    id_type_aircraft character varying(10) NOT NULL,
    CONSTRAINT date_last_repair CHECK ((date_last_repair > date_start)),
    CONSTRAINT date_start CHECK ((date_start < date_last_repair)),
    CONSTRAINT onboard_number CHECK (((onboard_number)::text ~~ '___-
    ____'::text)),
    CONSTRAINT raid CHECK ((raid > 0))
);

ALTER TABLE airport.aircraft OWNER TO postgres;

```



```

--
-- TOC entry 204 (class 1259 OID 16445)
-- Name: airline; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.airline (
    airline_name character varying(30) NOT NULL,
    license_number character varying(20) NOT NULL
);

ALTER TABLE airport.airline OWNER TO postgres;

--
-- TOC entry 213 (class 1259 OID 16653)
-- Name: airport; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.airport (
    id_airport integer NOT NULL,
    county character varying(20) NOT NULL,
    city character varying(20) NOT NULL
);

ALTER TABLE airport.airport OWNER TO postgres;

--
-- TOC entry 212 (class 1259 OID 16651)
-- Name: airport_id_airport_seq; Type: SEQUENCE; Schema: airport; Owner:
postgres
--

CREATE SEQUENCE airport.airport_id_airport_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE airport.airport_id_airport_seq OWNER TO postgres;

--
-- TOC entry 3004 (class 0 OID 0)
-- Dependencies: 212
-- Name: airport_id_airport_seq; Type: SEQUENCE OWNED BY; Schema: airport;
Owner: postgres
--

ALTER SEQUENCE airport.airport_id_airport_seq OWNED BY
airport.airport.id_airport;

--
-- TOC entry 215 (class 1259 OID 16803)

```

```

-- Name: crew; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.crew (
    id_crew integer NOT NULL,
    date_med_exam date NOT NULL,
    passports_employeers character varying(10) NOT NULL,
    id_flight integer NOT NULL,
    admission_status airport.admission_status NOT NULL,
    post airport.post NOT NULL
);

ALTER TABLE airport.crew OWNER TO postgres;

--
-- TOC entry 214 (class 1259 OID 16801)
-- Name: crew_id_crew_seq; Type: SEQUENCE; Schema: airport; Owner: postgres
--

CREATE SEQUENCE airport.crew_id_crew_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE airport.crew_id_crew_seq OWNER TO postgres;

--
-- TOC entry 3005 (class 0 OID 0)
-- Dependencies: 214
-- Name: crew_id_crew_seq; Type: SEQUENCE OWNED BY; Schema: airport; Owner:
postgres
--

ALTER SEQUENCE airport.crew_id_crew_seq OWNED BY airport.crew.id_crew;

--
-- TOC entry 221 (class 1259 OID 16858)
-- Name: flight_id_flight_seq; Type: SEQUENCE; Schema: airport; Owner:
postgres
--

CREATE SEQUENCE airport.flight_id_flight_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    MAXVALUE 2147483646
    CACHE 1;

ALTER TABLE airport.flight_id_flight_seq OWNER TO postgres;

--

```

```

-- TOC entry 205 (class 1259 OID 16459)
-- Name: flight; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.flight (
    id_flight integer DEFAULT
nextval('airport.flight_id_flight_seq'::regclass) NOT NULL,
    path_distance integer NOT NULL,
    actual_date_dep time without time zone,
    actual_arr time without time zone,
    id_aeroporto_dep integer NOT NULL,
    id_aeroporto_arr integer NOT NULL,
    flight_number character varying(7) NOT NULL,
    situation airport.situation NOT NULL,
    CONSTRAINT path_distance CHECK ((path_distance > 0))
);

ALTER TABLE airport.flight OWNER TO postgres;

--
-- TOC entry 206 (class 1259 OID 16463)
-- Name: flight_schedule; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.flight_schedule (
    number_flight character varying(9) NOT NULL,
    onboard_number character varying(9) NOT NULL,
    arr_time time without time zone NOT NULL,
    dep_time time without time zone NOT NULL,
    airline_name character varying(30) NOT NULL,
    day_of_week airport.day_of_week NOT NULL
);

ALTER TABLE airport.flight_schedule OWNER TO postgres;

--
-- TOC entry 207 (class 1259 OID 16467)
-- Name: passenger; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.passenger (
    passports_pass character varying(10) NOT NULL,
    full_name_pass character varying(40) NOT NULL
);

ALTER TABLE airport.passenger OWNER TO postgres;

--
-- TOC entry 208 (class 1259 OID 16470)
-- Name: personnel; Type: TABLE; Schema: airport; Owner: postgres
--

CREATE TABLE airport.personnel (
    passports_employee character varying(10) NOT NULL,
    full_name_employee character varying(80) NOT NULL,

```

```
    airline_name character varying(30) NOT NULL
);
```

```
ALTER TABLE airport.personnel OWNER TO postgres;
```

```
--
-- TOC entry 220 (class 1259 OID 16855)
-- Name: purchase_id_purchase_seq; Type: SEQUENCE; Schema: airport; Owner:
postgres
--
```

```
CREATE SEQUENCE airport.purchase_id_purchase_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    MAXVALUE 2147483646
    CACHE 1;
```

```
ALTER TABLE airport.purchase_id_purchase_seq OWNER TO postgres;
```

```
--
-- TOC entry 209 (class 1259 OID 16473)
-- Name: purchase; Type: TABLE; Schema: airport; Owner: postgres
--
```

```
CREATE TABLE airport.purchase (
    id_purchase integer DEFAULT
nextval('airport.purchase_id_purchase_seq'::regclass) NOT NULL,
    ticket_price integer NOT NULL,
    add_features character varying(100) DEFAULT '-'::character varying,
    passports_pass character varying(10) NOT NULL,
    id_seat character varying(5) NOT NULL,
    id_flight integer NOT NULL,
    id_office integer NOT NULL,
    date_purchase date DEFAULT CURRENT_DATE NOT NULL,
    type_purchase airport.type_purchase NOT NULL,
    status airport.status NOT NULL,
    CONSTRAINT date_purchase CHECK ((date_purchase <= CURRENT_DATE)),
    CONSTRAINT ticket_price CHECK ((ticket_price > 0))
);
```

```
ALTER TABLE airport.purchase OWNER TO postgres;
```

```
--
-- TOC entry 210 (class 1259 OID 16482)
-- Name: seat; Type: TABLE; Schema: airport; Owner: postgres
--
```

```
CREATE TABLE airport.seat (
    id_seat character varying(5) NOT NULL,
    number_in_row integer NOT NULL,
    "row" "char" NOT NULL,
    id_flight integer NOT NULL,
    type_seat airport.type_seat NOT NULL,
    occupied airport.occupied NOT NULL,
```

```
CONSTRAINT number_in_row CHECK (((number_in_row >= 1) AND
(number_in_row <= 100))),
CONSTRAINT "row" CHECK (((("row" >= 'A'::"char") AND ("row" <=
'J'::"char"))
);
```

```
ALTER TABLE airport.seat OWNER TO postgres;
```

```
--
-- TOC entry 219 (class 1259 OID 16847)
-- Name: ticket_office; Type: TABLE; Schema: airport; Owner: postgres
--
```

```
CREATE TABLE airport.ticket_office (
    id_office integer NOT NULL,
    office_locate character varying(80) NOT NULL
);
```

```
ALTER TABLE airport.ticket_office OWNER TO postgres;
```

```
--
-- TOC entry 218 (class 1259 OID 16845)
-- Name: ticket_office_id_office_seq; Type: SEQUENCE; Schema: airport;
Owner: postgres
--
```

```
CREATE SEQUENCE airport.ticket_office_id_office_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE airport.ticket_office_id_office_seq OWNER TO postgres;
```

```
--
-- TOC entry 3006 (class 0 OID 0)
-- Dependencies: 218
-- Name: ticket_office_id_office_seq; Type: SEQUENCE OWNED BY; Schema:
airport; Owner: postgres
--
```

```
ALTER SEQUENCE airport.ticket_office_id_office_seq OWNED BY
airport.ticket_office.id_office;
```

```
--
-- TOC entry 217 (class 1259 OID 16832)
-- Name: transit_landings; Type: TABLE; Schema: airport; Owner: postgres
--
```

```
CREATE TABLE airport.transit_landings (
    id_transit_landings integer NOT NULL,
    time_airport_a time without time zone NOT NULL,
```

```
        time_airport_d time without time zone NOT NULL,  
        number_flight character varying(8) NOT NULL  
    );
```

```
ALTER TABLE airport.transit_landings OWNER TO postgres;
```

```
--  
-- TOC entry 216 (class 1259 OID 16830)  
-- Name: transit_landings_id_transit_landings_seq; Type: SEQUENCE; Schema:  
airport; Owner: postgres  
--
```

```
CREATE SEQUENCE airport.transit_landings_id_transit_landings_seq  
    AS integer  
    START WITH 1  
    INCREMENT BY 1  
    NO MINVALUE  
    NO MAXVALUE  
    CACHE 1;
```

```
ALTER TABLE airport.transit_landings_id_transit_landings_seq OWNER TO  
postgres;
```

```
--  
-- TOC entry 3007 (class 0 OID 0)  
-- Dependencies: 216  
-- Name: transit_landings_id_transit_landings_seq; Type: SEQUENCE OWNED BY;  
Schema: airport; Owner: postgres  
--
```

```
ALTER SEQUENCE airport.transit_landings_id_transit_landings_seq OWNED BY  
airport.transit_landings.id_transit_landings;
```

```
--  
-- TOC entry 211 (class 1259 OID 16494)  
-- Name: type_aircraft; Type: TABLE; Schema: airport; Owner: postgres  
--
```

```
CREATE TABLE airport.type_aircraft (  
    id_type_aircraft character varying(10) NOT NULL,  
    fuel_flow integer NOT NULL,  
    purpose character varying(70),  
    number_seats integer NOT NULL,  
    country_origin character varying(30) NOT NULL,  
    load_capacity numeric(100,0) NOT NULL,  
    speed numeric(1000,0) NOT NULL,  
    CONSTRAINT fuel_flow CHECK ((fuel_flow > 0)),  
    CONSTRAINT number_seats CHECK (((number_seats >= 1) AND (number_seats  
<= 500))),  
    CONSTRAINT speed CHECK (((speed >= (1)::numeric) AND (speed <=  
(1000)::numeric)))  
);
```

```
ALTER TABLE airport.type_aircraft OWNER TO postgres;
```

```

--
-- TOC entry 2786 (class 2604 OID 16656)
-- Name: airport id_airport; Type: DEFAULT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.airport ALTER COLUMN id_airport SET DEFAULT
nextval('airport.airport_id_airport_seq'::regclass);

--
-- TOC entry 2787 (class 2604 OID 16806)
-- Name: crew id_crew; Type: DEFAULT; Schema: airport; Owner: postgres
--

ALTER TABLE ONLY airport.crew ALTER COLUMN id_crew SET DEFAULT
nextval('airport.crew_id_crew_seq'::regclass);

--
-- TOC entry 2789 (class 2604 OID 16850)
-- Name: ticket_office id_office; Type: DEFAULT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.ticket_office ALTER COLUMN id_office SET DEFAULT
nextval('airport.ticket_office_id_office_seq'::regclass);

--
-- TOC entry 2788 (class 2604 OID 16835)
-- Name: transit_landings id_transit_landings; Type: DEFAULT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.transit_landings ALTER COLUMN id_transit_landings
SET DEFAULT
nextval('airport.transit_landings_id_transit_landings_seq'::regclass);

--
-- TOC entry 2979 (class 0 OID 16439)
-- Dependencies: 203
-- Data for Name: aircraft; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('NG-006', '2023-02-28', NULL, 144, 'A320');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('SO-007', '2022-11-05', '2023-01-05', 76,
'B737');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('VT-008', '2023-01-15', '2023-02-16', 34,
'C130');

```

```

INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('KJ-009', '2022-06-23', '2022-12-31', 83,
'DHC6');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('GL-010', '2023-03-07', NULL, 141, 'E170');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('AZ-123', '2022-09-10', '2023-11-11', 123,
'F16');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('EY-456', '2019-05-19', '2022-08-19', 149,
'G550');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('CX-789', '2022-12-31', NULL, 81, 'KC-
135');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('KL-101', '2022-08-14', '2022-10-06', 100,
'L1011');
INSERT INTO airport.aircraft (onboard_number, date_start, date_last_repair,
raid, id_type_aircraft) VALUES ('AY-234', '2020-04-22', '2023-01-13', 78,
'L1011');

```

```

--
-- TOC entry 2980 (class 0 OID 16445)
-- Dependencies: 204
-- Data for Name: airline; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

```

```

INSERT INTO airport.airline (airline_name, license_number) VALUES
('Skyline', 'GK030');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('Airborne', 'EK901');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('AeroJet', 'BA678');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('Bluebird', 'QR890');
INSERT INTO airport.airline (airline_name, license_number) VALUES ('Eagle',
'TK567');
INSERT INTO airport.airline (airline_name, license_number) VALUES ('Delta
Air', 'KM015');
INSERT INTO airport.airline (airline_name, license_number) VALUES ('Island
Air', 'ML014');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('Quantum', 'ZK013');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('Velocity', 'SD012');
INSERT INTO airport.airline (airline_name, license_number) VALUES
('Zenith', 'AS011');

```

```

--
-- TOC entry 2989 (class 0 OID 16653)
-- Dependencies: 213
-- Data for Name: airport; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

```



```

INSERT INTO airport.airport (id_airport, county, city) VALUES (1,
'Verdantia', 'Novopolis');
INSERT INTO airport.airport (id_airport, county, city) VALUES (2,
'Lunaria', 'Zelenogradsk');
INSERT INTO airport.airport (id_airport, county, city) VALUES (3,
'Zemland', 'Solnechnogorsk');
INSERT INTO airport.airport (id_airport, county, city) VALUES (4,
'Oceania', 'Rainbow');
INSERT INTO airport.airport (id_airport, county, city) VALUES (5, 'The
Solar Republic', 'Urban');
INSERT INTO airport.airport (id_airport, county, city) VALUES (6, 'The Ice
Empire', 'Lesogorsk');
INSERT INTO airport.airport (id_airport, county, city) VALUES (7, 'Wind
Republic', 'Peaceful');
INSERT INTO airport.airport (id_airport, county, city) VALUES (8,
'Ostrovia', 'Coastal');
INSERT INTO airport.airport (id_airport, county, city) VALUES (9, 'Golden
Valley', 'Stepnogorsk');
INSERT INTO airport.airport (id_airport, county, city) VALUES (10,
'Mountain', 'Rechnoy');
INSERT INTO airport.airport (id_airport, county, city) VALUES (11,
'Crystallia', 'Novoselsky');
INSERT INTO airport.airport (id_airport, county, city) VALUES (12, 'Shadow
Empire', 'Zelenodolsk');
INSERT INTO airport.airport (id_airport, county, city) VALUES (13,
'Draconia', 'Solntsevo');
INSERT INTO airport.airport (id_airport, county, city) VALUES (14,
'Heavenly Republic', 'River');
INSERT INTO airport.airport (id_airport, county, city) VALUES (15, 'Sea
Power', 'Rainbow');
INSERT INTO airport.airport (id_airport, county, city) VALUES (16, 'Land of
Dragons', 'Settlement');
INSERT INTO airport.airport (id_airport, county, city) VALUES (17, 'Desert
Republic', 'Forest');
INSERT INTO airport.airport (id_airport, county, city) VALUES (18, 'Island
States', 'Peaceful town');
INSERT INTO airport.airport (id_airport, county, city) VALUES (19, 'Silver
Valley', 'Birch');
INSERT INTO airport.airport (id_airport, county, city) VALUES (20, 'Forest
Empire', 'Steppe');

```

```

--
-- TOC entry 2991 (class 0 OID 16803)
-- Dependencies: 215
-- Data for Name: crew; Type: TABLE DATA; Schema: airport; Owner: postgres
--

```

```

INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (1, '2023-03-01', '1029384756',
1, 'Admission', 'Purser');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (2, '2023-02-28', '9876143210',
1, 'Admission', 'Captain');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (3, '2023-02-18', '1234567890',
2, 'Emergency situation', 'Flight medic');

```

```

INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (4, '2022-12-29', '1111111111',
3, 'Admission', 'Airborne Sensor Operator');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (5, '2023-01-15', '8888888888',
3, 'Admission', 'Purser');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (6, '2022-12-01', '1111111112',
8, 'Non-admission', 'Flight Engineer');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (7, '2023-02-02', '2109876543',
9, 'Dismissed', 'First Officer');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (8, '2023-03-01', '2222222222',
10, 'Admission', 'Third Officer');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (9, '2023-03-04', '4563298107',
10, 'Admission', 'Flight attendant');
INSERT INTO airport.crew (id_crew, date_med_exam, passports_employeers,
id_flight, admission_status, post) VALUES (10, '2023-02-16', '3333333333',
10, 'Admission', 'Loadmaster');

```

```

--
-- TOC entry 2981 (class 0 OID 16459)
-- Dependencies: 205
-- Data for Name: flight; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

```

```

INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (2, 1690, '08:10:00', '04:50:00', 3, 2, 'AC234', 'Посадка');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (3, 5635, '10:50:00', '06:50:00', 4, 3, 'AF890', 'Задерживается');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (1, 3994, '02:05:00', '01:15:00', 2, 1, 'AA123', 'Прилетел');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (8, 1698, '18:15:00', '14:51:00', 4, 3, 'AY456', 'Запланирован');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (9, 1234, '06:20:00', '05:25:00', 5, 4, 'BA567', 'Посадка');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (10, 2111, '14:00:00', '12:55:00', 6, 5, 'CX890', 'Задерживается');
INSERT INTO airport.flight (id_flight, path_distance, actual_date_dep,
actual_arr, id_airoport_dep, id_airoport_arr, flight_number, situation)
VALUES (11, 1341, NULL, NULL, 7, 6, 'CZ567', 'Отменён');

```

```

--
-- TOC entry 2982 (class 0 OID 16463)
-- Dependencies: 206
-- Data for Name: flight_schedule; Type: TABLE DATA; Schema: airport;
Owner: postgres

```

--

```
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('AA123', 'AY-234',
'01:15:00', '02:05:00', 'AeroJet', 'Mon');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('AC234', 'EY-456',
'04:50:00', '08:10:00', 'Delta Air', 'Tue');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('AF890', 'KJ-009',
'06:10:00', '10:18:00', 'Island Air', 'Wed');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('AY456', 'EY-456',
'14:50:00', '18:10:00', 'Delta Air', 'Thu');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('BA567', 'GL-010',
'05:25:00', '06:24:00', 'Eagle', 'Fri');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('CX890', 'AZ-123',
'12:30:00', '13:30:00', 'Airborne', 'Sat');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('CZ567', 'KL-101',
'17:55:00', '18:34:00', 'Quantum', 'Sun');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('DL789', 'CX-789',
'03:45:00', '06:21:00', 'Bluebird', 'Mon');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('EK456', 'NG-006',
'08:40:00', '09:54:00', 'Skyline', 'Tue');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('KE789', 'GL-010',
'15:25:00', '16:24:00', 'Eagle', 'Wed');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('KLM567', 'AY-234',
'11:15:00', '12:05:00', 'AeroJet', 'Thu');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('LH123', 'KL-101',
'07:55:00', '08:34:00', 'Quantum', 'Fri');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('MU123', 'CX-789',
'13:45:00', '16:21:00', 'Bluebird', 'Sat');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('OS123', 'SO-007',
'19:20:00', '23:10:00', 'Velocity', 'Sun');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('QR234', 'KJ-009',
'16:10:00', '20:18:00', 'Island Air', 'Mon');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('SA456', 'VT-008',
'20:35:00', '23:25:00', 'Zenith', 'Tue');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('SQ234', 'VT-008',
'10:35:00', '18:25:00', 'Zenith', 'Wed');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('TG890', 'NG-006',
'18:40:00', '19:54:00', 'Skyline', 'Thu');
```

```
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('TK789', 'SO-007',
'09:20:00', '17:10:00', 'Velocity', 'Fri');
INSERT INTO airport.flight_schedule (number_flight, onboard_number,
arr_time, dep_time, airline_name, day_of_week) VALUES ('UA456', 'AZ-123',
'02:30:00', '03:30:00', 'Airborne', 'Sat');
```

```
--
-- TOC entry 2983 (class 0 OID 16467)
-- Dependencies: 207
-- Data for Name: passenger; Type: TABLE DATA; Schema: airport; Owner:
postgres
--
```

```
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4120101874', 'Elizabeth Marie Baker');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4250737566', 'Caleb David Sanders');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4284903218', 'Grace Victoria Cooper');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4319932537', 'Elijah John Richardson');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4392310738', 'Natalie Anne Howard');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4396459738', 'Samuel Robert Alexander');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4574791690', 'Victoria Lynn Phillips');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4632304725', 'Logan Michael Davis');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4656652517', 'Chloe Marie Campbell');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4689422543', 'Gabriel Joseph Price');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4692250946', 'Lila Mae Foster');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4720959544', 'Isaac Benjamin Ward');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4742177399', 'Zoey Nicole Graham');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4795274952', 'Levi William Cooper');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4846972201', 'Audrey Jane Parker');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4955228077', 'Dylan Joseph Stewart');
INSERT INTO airport.passenger (passports_pass, full_name_pass) VALUES
('4976570003', 'Penelope Louise Brooks');
```

```
--
-- TOC entry 2984 (class 0 OID 16470)
-- Dependencies: 208
-- Data for Name: personnel; Type: TABLE DATA; Schema: airport; Owner:
postgres
--
```

```

INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('3468720195', 'Andrey Ivanovich Petrov', 'AeroJet');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('9857430216', 'Ekaterina Aleksandrovna Smirnova',
'Airborne');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('4563298107', 'Dmitry Sergeyevich Kuznetsov',
'Bluebird');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('7890123456', 'Olga Vladimirovna Nikolaeva', 'Delta
Air');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('1029384756', 'Ivan Alexeevich Kozlov', 'Eagle');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('6543210987', 'Anastasia Petrovna Sokolova', 'Island
Air');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('9876543210', 'Sergey Valeryevich Fedorov',
'Quantum');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('2109876543', 'Maria Andreevna Ivanova', 'Skyline');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('5432109876', 'Alexander Nikolaevich Stepanov',
'Velocity');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('8765432109', 'Elena Viktorovna Mikhailova',
'Zenith');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('1234567890', 'Emily Rose Johnson', 'Eagle');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('9876143210', 'Benjamin James Davis', 'Eagle');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('5555555555', 'Olivia Marie Thompson', 'Skyline');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('7777777777', 'William Edward Parker', 'Skyline');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('8888888888', 'Sophia Elizabeth Mitchell',
'AeroJet');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('1111111111', 'Ethan Michael Cooper', 'AeroJet');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('2222222222', 'Ava Grace Wilson', 'Bluebird');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('3333333333', 'Jackson Thomas Wright', 'Bluebird');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('4444444444', 'Isabella Rose Brown', 'Velocity');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('6666666666', 'Noah Alexander Turner', 'Velocity');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('2468101214', 'Madison Claire Foster', 'Island Air');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('3691215182', 'Lucas Matthew Murphy', 'Island Air');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('5555555500', 'Charlotte Ann Kelly', 'Delta Air');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('7777777770', 'Aiden Christopher Bennett', 'Delta
Air');

```

```

INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('7777457770', 'Harper Lee Collins', 'Zenith');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('8888888881', 'Mason Andrew Hayes', 'Zenith');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('1111111112', 'Amelia Grace Rivera', 'Airborne');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('2222222223', 'Liam Joseph Peterson', 'Airborne');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('3333333334', 'Abigail Faith Reed', 'Quantum');
INSERT INTO airport.personnel (passports_employee, full_name_employee,
airline_name) VALUES ('4444444445', 'Owen Patrick Coleman', 'Quantum');

--
-- TOC entry 2985 (class 0 OID 16473)
-- Dependencies: 209
-- Data for Name: purchase; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

INSERT INTO airport.purchase (id_purchase, ticket_price, add_features,
passports_pass, id_seat, id_flight, id_office, date_purchase,
type_purchase, status) VALUES (1, 8000, 'Food', '4319932537', '2A', 1, 18,
'2023-01-01', 'Электронный', 'Успешно');

--
-- TOC entry 2986 (class 0 OID 16482)
-- Dependencies: 210
-- Data for Name: seat; Type: TABLE DATA; Schema: airport; Owner: postgres
--

INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('6D', 6, 'D', 3, 'БК', 'Свободно');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('5C', 5, 'C', 2, 'БК', 'Занято');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('4E', 4, 'E', 2, 'БК', 'Занято');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('3B', 3, 'B', 2, 'БК', 'Занято');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('2F', 2, 'F', 1, 'БК', 'Занято');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('1A', 1, 'A', 1, 'БК', 'Занято');
INSERT INTO airport.seat (id_seat, number_in_row, "row", id_flight,
type_seat, occupied) VALUES ('2A', 2, 'A', 1, 'БК', 'Свободно');

--
-- TOC entry 2995 (class 0 OID 16847)
-- Dependencies: 219
-- Data for Name: ticket_office; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (1,
'123 Main Street');

```

```

INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (2,
'456 Elm Avenue');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (3,
'789 Oak Lane');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (4,
'1010 Maple Road');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (5,
'1111 Cedar Boulevard');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (6,
'1313 Pine Street');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (7,
'1414 Birch Avenue');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (8,
'1515 Willow Lane');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (9,
'1616 Oakwood Road');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (10,
'1717 Maplewood Drive');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (11,
'1818 Cedarwood Boulevard');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (12,
'1919 Pineview Street');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (13,
'2020 Birchwood Avenue');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (14,
'2121 Willowview Lane');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (15,
'2222 Oakhill Road');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (16,
'2323 Mapleton Drive');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (17,
'2424 Cedarhurst Boulevard');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (18,
'2525 Pinecrest Street');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (19,
'2626 Birchmont Avenue');
INSERT INTO airport.ticket_office (id_office, office_locate) VALUES (20,
'2727 Willowcrest Lane');

```

```

--
-- TOC entry 2993 (class 0 OID 16832)
-- Dependencies: 217
-- Data for Name: transit_landings; Type: TABLE DATA; Schema: airport;
Owner: postgres
--

```

```

INSERT INTO airport.transit_landings (id_transit_landings, time_airport_a,
time_airoport_d, number_flight) VALUES (1, '07:20:00', '08:00:00',
'AF890');
INSERT INTO airport.transit_landings (id_transit_landings, time_airport_a,
time_airoport_d, number_flight) VALUES (2, '15:01:00', '15:35:00',
'SQ234');
INSERT INTO airport.transit_landings (id_transit_landings, time_airport_a,
time_airoport_d, number_flight) VALUES (3, '13:30:00', '14:10:00',
'TK789');

```

```

--
-- TOC entry 2987 (class 0 OID 16494)
-- Dependencies: 211
-- Data for Name: type_aircraft; Type: TABLE DATA; Schema: airport; Owner:
postgres
--

INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('A320', 2292,
'short-distance flight', 219, 'Australia', 7, 976);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('B737', 1830,
'medium-distance flight', 168, 'Butane Chile', 15, 973);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('C130', 2196,
'long-distance flight', 227, 'Finland', 14, 776);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('DHC6', 2196,
'long-distance flight', 162, 'Georgia', 12, 680);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('E170', 2267,
'medium-distance flight', 290, 'Iraq', 15, 967);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('F16', 2774,
'short-distance flight', 217, 'Kyrgyzstan', 11, 874);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('G550', 2796,
'short-distance flight', 160, 'Kyrgyzstan', 8, 510);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('KC-135', 1959,
'long-distance flight', 143, 'Myanmar', 13, 739);
INSERT INTO airport.type_aircraft (id_type_aircraft, fuel_flow, purpose,
number_seats, country_origin, load_capacity, speed) VALUES ('L1011', 2521,
'short-distance flight', 196, 'Nepal', 13, 632);

--
-- TOC entry 3008 (class 0 OID 0)
-- Dependencies: 212
-- Name: airport_id_airport_seq; Type: SEQUENCE SET; Schema: airport;
Owner: postgres
--

SELECT pg_catalog.setval('airport.airport_id_airport_seq', 20, true);

--
-- TOC entry 3009 (class 0 OID 0)
-- Dependencies: 214
-- Name: crew_id_crew_seq; Type: SEQUENCE SET; Schema: airport; Owner:
postgres
--

SELECT pg_catalog.setval('airport.crew_id_crew_seq', 2, true);

--
-- TOC entry 3010 (class 0 OID 0)

```



```

-- Dependencies: 221
-- Name: flight_id_flight_seq; Type: SEQUENCE SET; Schema: airport; Owner:
postgres
--

SELECT pg_catalog.setval('airport.flight_id_flight_seq', 11, true);


--
-- TOC entry 3011 (class 0 OID 0)
-- Dependencies: 220
-- Name: purchase_id_purchase_seq; Type: SEQUENCE SET; Schema: airport;
Owner: postgres
--

SELECT pg_catalog.setval('airport.purchase_id_purchase_seq', 1, true);


--
-- TOC entry 3012 (class 0 OID 0)
-- Dependencies: 218
-- Name: ticket_office_id_office_seq; Type: SEQUENCE SET; Schema: airport;
Owner: postgres
--

SELECT pg_catalog.setval('airport.ticket_office_id_office_seq', 20, true);


--
-- TOC entry 3013 (class 0 OID 0)
-- Dependencies: 216
-- Name: transit_landings_id_transit_landings_seq; Type: SEQUENCE SET;
Schema: airport; Owner: postgres
--

SELECT
pg_catalog.setval('airport.transit_landings_id_transit_landings_seq', 3,
true);


--
-- TOC entry 2791 (class 2606 OID 16960)
-- Name: aircraft aircraft_pkey; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.aircraft
    ADD CONSTRAINT aircraft_pkey PRIMARY KEY (onboard_number);


--
-- TOC entry 2795 (class 2606 OID 16503)
-- Name: airline airline_pkey; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.airline
    ADD CONSTRAINT airline_pkey PRIMARY KEY (airline_name);

```

```

--
-- TOC entry 2831 (class 2606 OID 16658)
-- Name: airport airport_pkey; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.airport
    ADD CONSTRAINT airport_pkey PRIMARY KEY (id_airport);

--
-- TOC entry 2833 (class 2606 OID 16900)
-- Name: crew crew_pkey; Type: CONSTRAINT; Schema: airport; Owner: postgres
--

ALTER TABLE ONLY airport.crew
    ADD CONSTRAINT crew_pkey PRIMARY KEY (id_crew);

--
-- TOC entry 2797 (class 2606 OID 16509)
-- Name: flight fk_flight_number; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.flight
    ADD CONSTRAINT fk_flight_number UNIQUE (flight_number);

--
-- TOC entry 2799 (class 2606 OID 16511)
-- Name: flight flight_pkey; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.flight
    ADD CONSTRAINT flight_pkey PRIMARY KEY (id_flight);

--
-- TOC entry 2801 (class 2606 OID 16625)
-- Name: flight_schedule flight_schedule_pkey; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.flight_schedule
    ADD CONSTRAINT flight_schedule_pkey PRIMARY KEY (number_flight);

--
-- TOC entry 2813 (class 2606 OID 16519)
-- Name: purchase id_flight_uni; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.purchase

```

```

        ADD CONSTRAINT id_flight_uni UNIQUE (id_flight);

--
-- TOC entry 2815 (class 2606 OID 16521)
-- Name: purchase id_office_uni; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_office_uni UNIQUE (id_office);

--
-- TOC entry 2817 (class 2606 OID 16523)
-- Name: purchase id_putchase_uni; Type: CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_putchase_uni UNIQUE (id_purchase);

--
-- TOC entry 2819 (class 2606 OID 16525)
-- Name: purchase id_seat_uni; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_seat_uni UNIQUE (id_seat);

--
-- TOC entry 2827 (class 2606 OID 16529)
-- Name: type_aircraft id_type_aircraft_uni; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.type_aircraft
    ADD CONSTRAINT id_type_aircraft_uni UNIQUE (id_type_aircraft);

--
-- TOC entry 2803 (class 2606 OID 16627)
-- Name: flight_schedule number_flight_uni; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.flight_schedule
    ADD CONSTRAINT number_flight_uni UNIQUE (number_flight);

--
-- TOC entry 2793 (class 2606 OID 16962)
-- Name: aircraft onboard_number_uni; Type: CONSTRAINT; Schema: airport;
Owner: postgres
--

```

```

ALTER TABLE ONLY airport.aircraft
    ADD CONSTRAINT onboard_number_uni UNIQUE (onboard_number);

--
-- TOC entry 2821 (class 2606 OID 17003)
-- Name: purchase passports_pass_uni; Type: CONSTRAINT; Schema: airport;
-- Owner: postgres

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT passports_pass_uni UNIQUE (passports_pass);

--
-- TOC entry 2805 (class 2606 OID 16975)
-- Name: passenger passenger_pkey; Type: CONSTRAINT; Schema: airport;
-- Owner: postgres

ALTER TABLE ONLY airport.passenger
    ADD CONSTRAINT passenger_pkey PRIMARY KEY (passports_pass);

--
-- TOC entry 2809 (class 2606 OID 16989)
-- Name: personnel passports_employee_uni; Type: CONSTRAINT; Schema:
-- airport; Owner: postgres

ALTER TABLE ONLY airport.personnel
    ADD CONSTRAINT passports_employee_uni UNIQUE (passports_employee);

--
-- TOC entry 2807 (class 2606 OID 16977)
-- Name: passenger passports_pass_uni; Type: CONSTRAINT; Schema: airport;
-- Owner: postgres

ALTER TABLE ONLY airport.passenger
    ADD CONSTRAINT passports_pass_uni UNIQUE (passports_pass) INCLUDE
(full_name_pass);

--
-- TOC entry 2811 (class 2606 OID 16991)
-- Name: personnel personnel_pkey; Type: CONSTRAINT; Schema: airport;
-- Owner: postgres

ALTER TABLE ONLY airport.personnel
    ADD CONSTRAINT personnel_pkey PRIMARY KEY (passports_employee);

--
-- TOC entry 2823 (class 2606 OID 16545)

```

```

-- Name: purchase purchase_pkey; Type: CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT purchase_pkey PRIMARY KEY (id_purchase);

--
-- TOC entry 2825 (class 2606 OID 16547)
-- Name: seat seat_pkey; Type: CONSTRAINT; Schema: airport; Owner: postgres
--

ALTER TABLE ONLY airport.seat
    ADD CONSTRAINT seat_pkey PRIMARY KEY (id_seat);

--
-- TOC entry 2837 (class 2606 OID 16852)
-- Name: ticket_office ticket_office_pkey; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.ticket_office
    ADD CONSTRAINT ticket_office_pkey PRIMARY KEY (id_office);

--
-- TOC entry 2835 (class 2606 OID 16837)
-- Name: transit_landings transit_landings_pkey; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.transit_landings
    ADD CONSTRAINT transit_landings_pkey PRIMARY KEY (id_transit_landings);

--
-- TOC entry 2829 (class 2606 OID 16553)
-- Name: type_aircraft type_aircraft_pkey; Type: CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.type_aircraft
    ADD CONSTRAINT type_aircraft_pkey PRIMARY KEY (id_type_aircraft);

--
-- TOC entry 2844 (class 2606 OID 16554)
-- Name: personnel airline_name_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.personnel
    ADD CONSTRAINT airline_name_fk FOREIGN KEY (airline_name) REFERENCES
airport.airline(airline_name) NOT VALID;

```

```

--
-- TOC entry 2842 (class 2606 OID 16559)
-- Name: flight_schedule airline_name_fk; Type: FK CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.flight_schedule
    ADD CONSTRAINT airline_name_fk FOREIGN KEY (airline_name) REFERENCES
airport.airline(airline_name);

--
-- TOC entry 2841 (class 2606 OID 16944)
-- Name: flight airport_a; Type: FK CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.flight
    ADD CONSTRAINT airport_a FOREIGN KEY (id_airoport_arr) REFERENCES
airport.airport(id_airport) NOT VALID;

--
-- TOC entry 2840 (class 2606 OID 16939)
-- Name: flight airport_d; Type: FK CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.flight
    ADD CONSTRAINT airport_d FOREIGN KEY (id_airoport_dep) REFERENCES
airport.airport(id_airport) NOT VALID;

--
-- TOC entry 2845 (class 2606 OID 16564)
-- Name: purchase id_flight_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_flight_fk FOREIGN KEY (id_flight) REFERENCES
airport.flight(id_flight);

--
-- TOC entry 2849 (class 2606 OID 16569)
-- Name: seat id_flight_fk; Type: FK CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.seat
    ADD CONSTRAINT id_flight_fk FOREIGN KEY (id_flight) REFERENCES
airport.flight(id_flight) NOT VALID;

--
-- TOC entry 2850 (class 2606 OID 16809)

```

```

-- Name: crew_id_flight_fk; Type: FK CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.crew
    ADD CONSTRAINT id_flight_fk FOREIGN KEY (id_flight) REFERENCES
airport.flight(id_flight);

--
-- TOC entry 2848 (class 2606 OID 17018)
-- Name: purchase_id_office_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_office_fk FOREIGN KEY (id_office) REFERENCES
airport.ticket_office(id_office) NOT VALID;

--
-- TOC entry 2846 (class 2606 OID 16584)
-- Name: purchase_id_seat_fk; Type: FK CONSTRAINT; Schema: airport; Owner:
postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT id_seat_fk FOREIGN KEY (id_seat) REFERENCES
airport.seat(id_seat) NOT VALID;

--
-- TOC entry 2838 (class 2606 OID 16589)
-- Name: aircraft_id_type_aircraft_fk; Type: FK CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.aircraft
    ADD CONSTRAINT id_type_aircraft_fk FOREIGN KEY (id_type_aircraft)
REFERENCES airport.type_aircraft(id_type_aircraft) NOT VALID;

--
-- TOC entry 2839 (class 2606 OID 16628)
-- Name: flight_number_flight_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.flight
    ADD CONSTRAINT number_flight_fk FOREIGN KEY (flight_number) REFERENCES
airport.flight_schedule(number_flight) NOT VALID;

--
-- TOC entry 2852 (class 2606 OID 16838)
-- Name: transit_landings_number_flight_fk; Type: FK CONSTRAINT; Schema:
airport; Owner: postgres
--

```

```

ALTER TABLE ONLY airport.transit_landings
    ADD CONSTRAINT number_flight_fk FOREIGN KEY (number_flight) REFERENCES
airport.flight_schedule(number_flight);

--
-- TOC entry 2843 (class 2606 OID 16964)
-- Name: flight_schedule onboard_number_fk; Type: FK CONSTRAINT; Schema:
airport; Owner: postgres
--

ALTER TABLE ONLY airport.flight_schedule
    ADD CONSTRAINT onboard_number_fk FOREIGN KEY (onboard_number)
REFERENCES airport.aircraft(onboard_number);

--
-- TOC entry 2851 (class 2606 OID 16992)
-- Name: crew passports_employee_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.crew
    ADD CONSTRAINT passports_employee_fk FOREIGN KEY (passports_employeers)
REFERENCES airport.personnel(passports_employee);

--
-- TOC entry 2847 (class 2606 OID 17004)
-- Name: purchase passports_pass_fk; Type: FK CONSTRAINT; Schema: airport;
Owner: postgres
--

ALTER TABLE ONLY airport.purchase
    ADD CONSTRAINT passports_pass_fk FOREIGN KEY (passports_pass)
REFERENCES airport.passenger(passports_pass) NOT VALID;

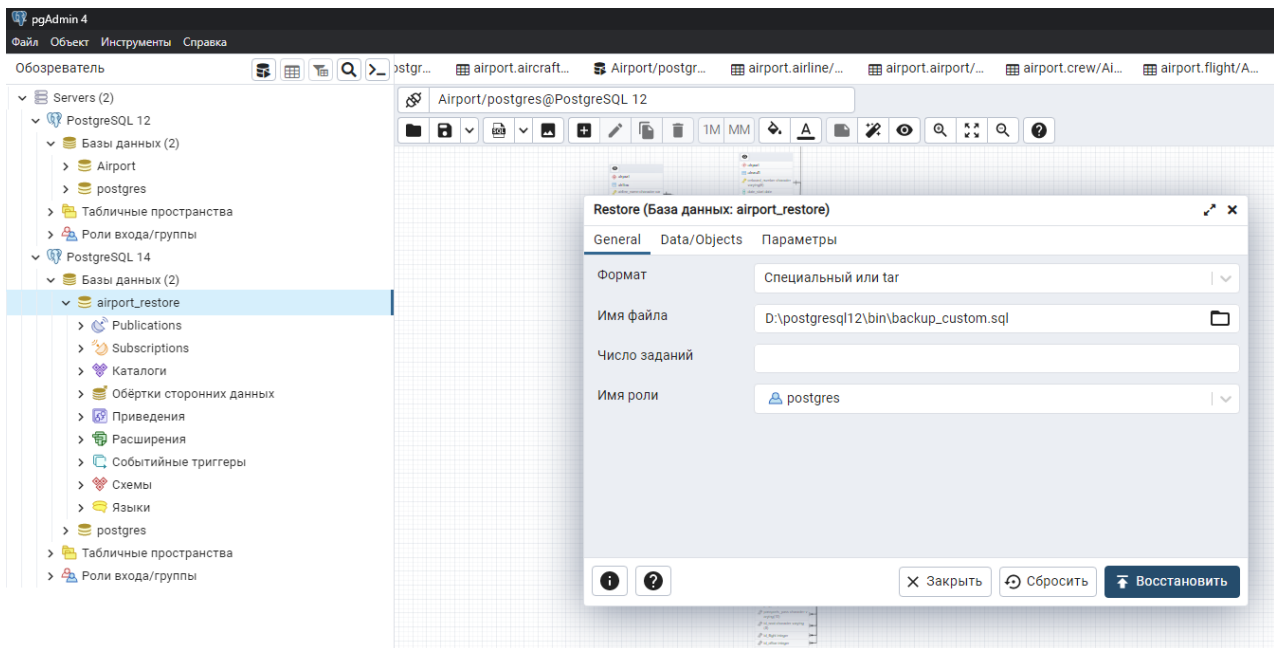
-- Completed on 2023-03-19 14:48:22

--
-- PostgreSQL database dump complete
--

```

## 5. Восстановление базы данных





### Process completed



Restoring backup on the server 'PostgreSQL 14 (localhost:5432)'

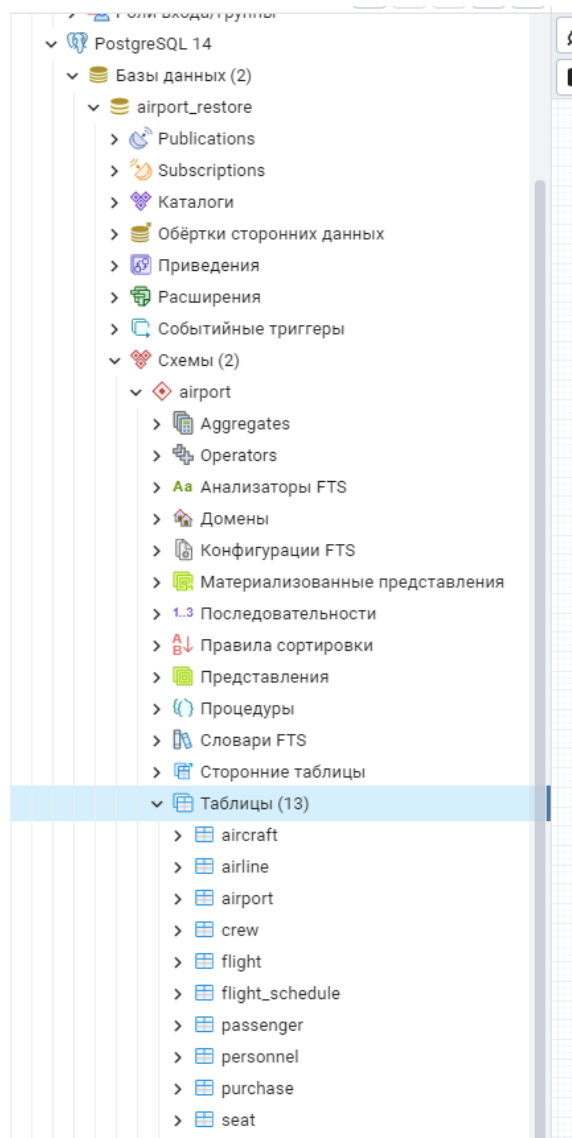
 [View Processes](#)

### Process started



Restoring backup on the server 'PostgreSQL 14 (localhost:5432)'

 [View Processes](#)



**Вывод:** полученные практические навыки создания таблиц базы данных PostgreSQL 12, заполнения их рабочими данными, резервного копирования и восстановления БД в ходе выполнения данной лабораторной работы, являются важными для любого специалиста, работающего с данной базой данных. Получив такие навыки, можно оперативно и качественно создавать базы данных, а также производить резервное копирование и восстановление информации в случае возникновения непредвиденных ситуаций. Все это позволяет значительно повысить эффективность и надежность работы с PostgreSQL 12 и обеспечить бесперебойную работу базы данных.