Министерство науки и высшего образования Российской Федерации
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО

ОТЧЕТ

ПО ЛАБОРАТОРНОЙ РАБОТЕ №3

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

по дисциплине «Проектирование и реализация баз данных»

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Цель работы

Овладеть практическими навыками создания таблиц базы данных PostgreSQL 1X, заполнения их рабочими данными, резервного копирования и восстановления БД.

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.

Указание:

Создать две резервные копии:

- *с расширением CUSTOM для восстановления БД;*
- *с расширением PLAIN для листинга (в отчете);*
- *при создании резервных копий БД настроить параметры Dump options для Type of objects и Queries .*

7. Восстановить БД.

Выполнение

1 Наименование БД

«Служба заказа такси» (taxi_service)

2 Схема инфологической модели БД ЛР2 (IDEF1X)

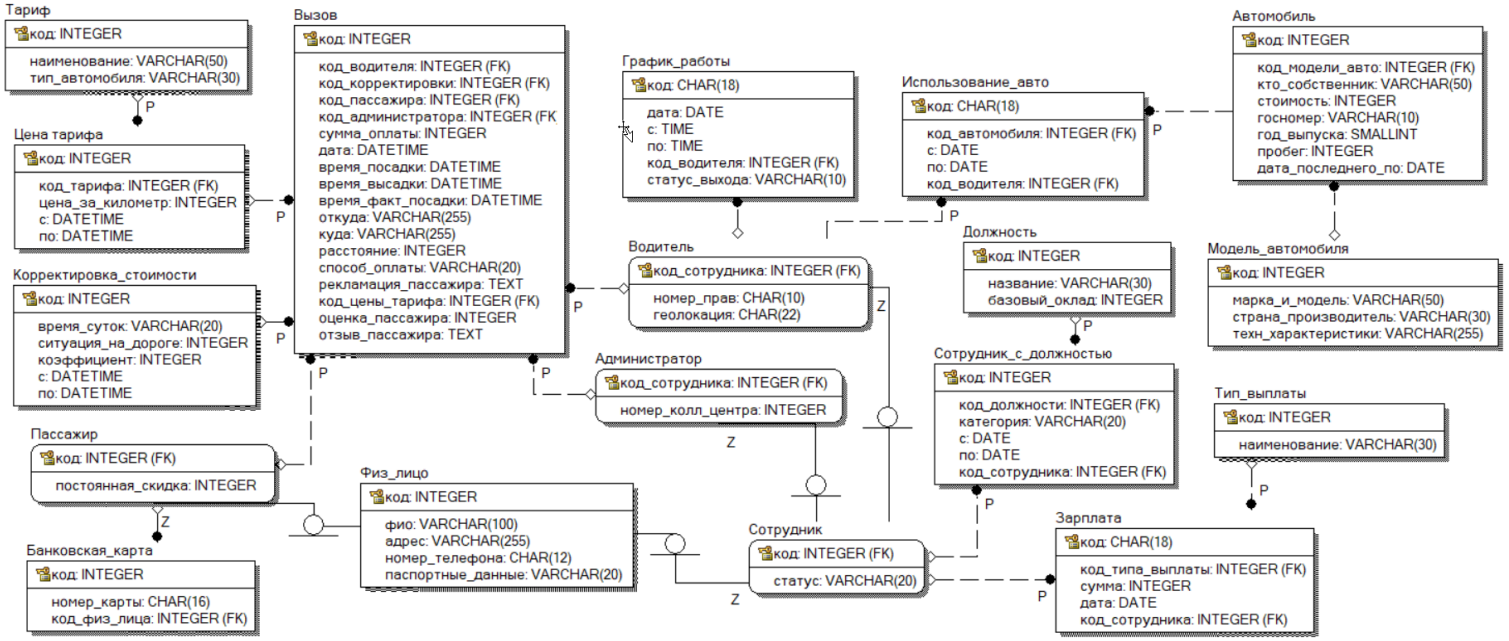

Рисунок 1 – Схема инфологической модели БД ЛР2 (IDEF1X)

3 Схема логической модели базы данных, сгенерированная в Generate ERD

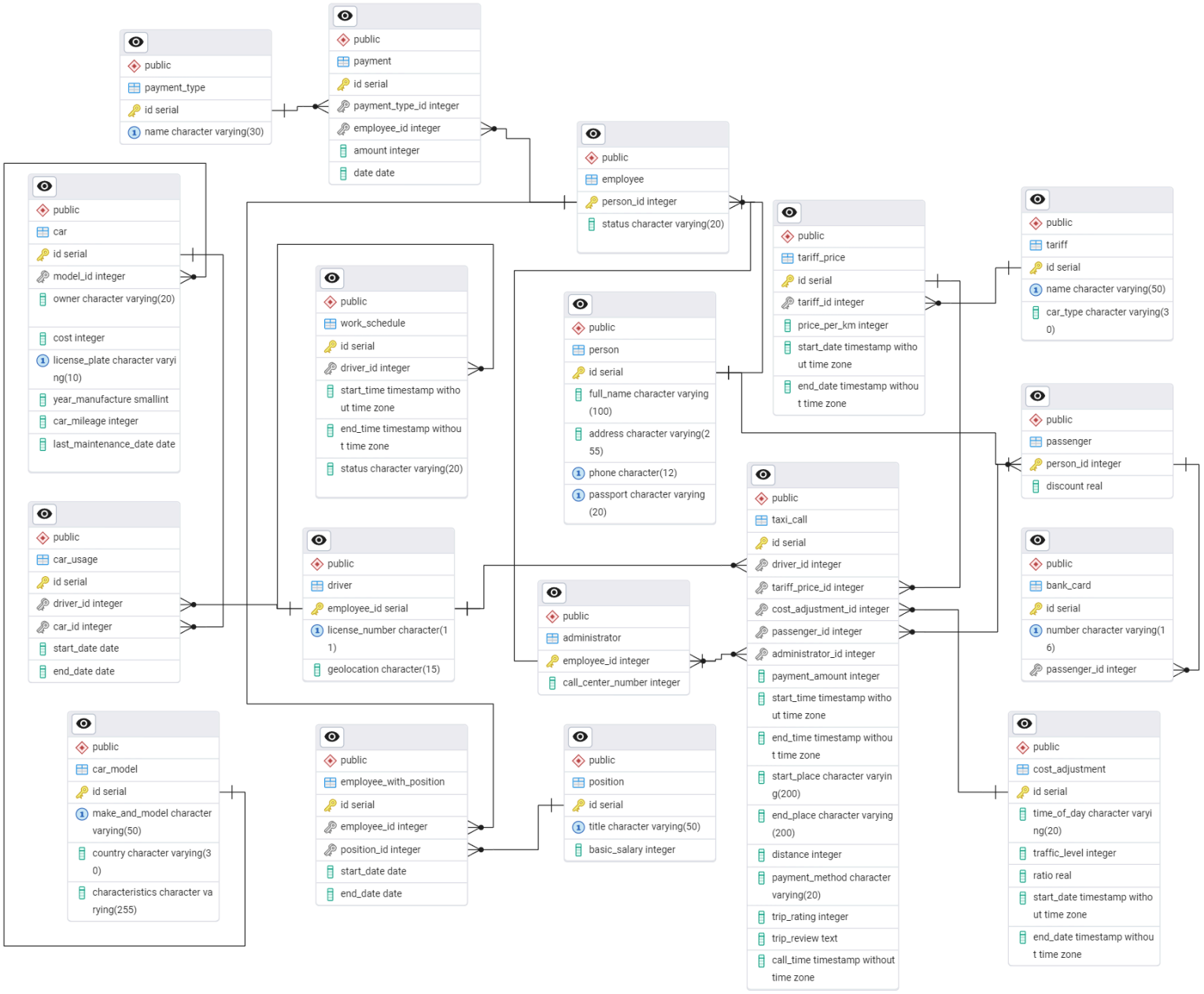

Рисунок 2 – Схема логической модели базы данных, сгенерированная в Generate ERD

4 Dump, содержащий скрипты работы с БД

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

-- Dumped from database version 17.4
-- Dumped by pg_dump version 17.4

-- Started on 2025-03-27 15:54:02
```

```
SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_timeout = 0;
SET transaction_timeout = 0;
SET client_encoding = 'UTF8';
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;

SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- TOC entry 228 (class 1259 OID 16484)
-- Name: administrator; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.administrator (
    employee_id integer NOT NULL,
    call_center_number integer NOT NULL,
    CONSTRAINT check_call_center_number CHECK ((call_center_number >= 1))
);


ALTER TABLE public.administrator OWNER TO postgres;

--
-- TOC entry 235 (class 1259 OID 16548)
-- Name: bank_card; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.bank_card (
    id integer NOT NULL,
    number character varying(16) NOT NULL,
    passenger_id integer NOT NULL,
    CONSTRAINT check_number CHECK (((number)::text ~ '^[0-9]+$'::text))
);


ALTER TABLE public.bank_card OWNER TO postgres;

--
-- TOC entry 234 (class 1259 OID 16547)
-- Name: bank_card_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
```

```
--

CREATE SEQUENCE public.bank_card_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.bank_card_id_seq OWNER TO postgres;

--
-- TOC entry 5025 (class 0 OID 0)
-- Dependencies: 234
-- Name: bank_card_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.bank_card_id_seq OWNED BY public.bank_card.id;


--
-- TOC entry 239 (class 1259 OID 16577)
-- Name: car; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.car (
    id integer NOT NULL,
    model_id integer NOT NULL,
    owner character varying(20) NOT NULL,
    cost integer NOT NULL,
    license_plate character varying(10) NOT NULL,
    year_manufacture smallint NOT NULL,
    car_mileage integer NOT NULL,
    last_maintenance_date date NOT NULL,
    CONSTRAINT check_car_mileage CHECK ((car_mileage >= 0)),
    CONSTRAINT check_cost CHECK ((cost >= 0)),
                    CONSTRAINT     check_license_plate     CHECK     (((license_plate)::text     ~
'^[АВЕКМНОРСТУХАВЕКМНОРСТУХ]\d{3}[АВЕКМНОРСТУХАВЕКМНОРСТУХ]{2}\d{2,3}$'::text)),
      CONSTRAINT check_owner CHECK (((owner)::text = ANY ((ARRAY['компания'::character varying,
'водитель'::character varying])::text[]))),
             CONSTRAINT   check_year_manufacture   CHECK   (((year_manufacture   >=   2000)   AND
((year_manufacture)::numeric <= EXTRACT(year FROM CURRENT_DATE))))
);


ALTER TABLE public.car OWNER TO postgres;
```

```
--
-- TOC entry 238 (class 1259 OID 16576)
-- Name: car_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.car_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.car_id_seq OWNER TO postgres;

--
-- TOC entry 5026 (class 0 OID 0)
-- Dependencies: 238
-- Name: car_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.car_id_seq OWNED BY public.car.id;


--
-- TOC entry 237 (class 1259 OID 16561)
-- Name: car_model; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.car_model (
    id integer NOT NULL,
    make_and_model character varying(50) NOT NULL,
    country character varying(30) NOT NULL,
    characteristics character varying(255) NOT NULL
);


ALTER TABLE public.car_model OWNER TO postgres;

--
-- TOC entry 236 (class 1259 OID 16560)
-- Name: car_model_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.car_model_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
```

```
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.car_model_id_seq OWNER TO postgres;

--
-- TOC entry 5027 (class 0 OID 0)
-- Dependencies: 236
-- Name: car_model_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.car_model_id_seq OWNED BY public.car_model.id;


--
-- TOC entry 241 (class 1259 OID 16592)
-- Name: car_usage; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.car_usage (
    id integer NOT NULL,
    driver_id integer NOT NULL,
    car_id integer NOT NULL,
    start_date date NOT NULL,
    end_date date,
    CONSTRAINT check_date CHECK ((end_date > start_date))
);


ALTER TABLE public.car_usage OWNER TO postgres;

--
-- TOC entry 240 (class 1259 OID 16591)
-- Name: car_usage_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.car_usage_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.car_usage_id_seq OWNER TO postgres;
```

```
--
-- TOC entry 5028 (class 0 OID 0)
-- Dependencies: 240
-- Name: car_usage_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.car_usage_id_seq OWNED BY public.car_usage.id;


--
-- TOC entry 247 (class 1259 OID 16639)
-- Name: cost_adjustment; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.cost_adjustment (
    id integer NOT NULL,
    time_of_day character varying(20) NOT NULL,
    traffic_level integer NOT NULL,
    ratio real NOT NULL,
    start_date timestamp without time zone NOT NULL,
    end_date timestamp without time zone,
    CONSTRAINT check_date CHECK ((end_date > start_date)),
      CONSTRAINT check_ratio CHECK (((ratio > (0)::double precision) AND (ratio <= (5)::double
precision))),
      CONSTRAINT check_time_of_day CHECK (((time_of_day)::text = ANY ((ARRAY['день'::character
varying, 'вечер'::character varying, 'ночь'::character varying, 'утро'::character
varying])::text[]))),
    CONSTRAINT check_traffic_level CHECK (((traffic_level >= 0) AND (traffic_level <= 10)))
);


ALTER TABLE public.cost_adjustment OWNER TO postgres;

--
-- TOC entry 246 (class 1259 OID 16638)
-- Name: cost_adjustment_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.cost_adjustment_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.cost_adjustment_id_seq OWNER TO postgres;
```

```
--
-- TOC entry 5029 (class 0 OID 0)
-- Dependencies: 246
-- Name: cost_adjustment_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.cost_adjustment_id_seq OWNED BY public.cost_adjustment.id;


--
-- TOC entry 230 (class 1259 OID 16497)
-- Name: driver; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.driver (
    employee_id integer NOT NULL,
    license_number character(11) NOT NULL,
    geolocation character(15),
    CONSTRAINT check_geolocation CHECK ((geolocation ~ '^[0-9.,]+$'::text)),
    CONSTRAINT check_license_number CHECK ((license_number ~ '^[0-9 ]+$'::text))
);


ALTER TABLE public.driver OWNER TO postgres;

--
-- TOC entry 229 (class 1259 OID 16496)
-- Name: driver_employee_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.driver_employee_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.driver_employee_id_seq OWNER TO postgres;

--
-- TOC entry 5030 (class 0 OID 0)
-- Dependencies: 229
-- Name: driver_employee_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.driver_employee_id_seq OWNED BY public.driver.employee_id;
```

```
--
-- TOC entry 219 (class 1259 OID 16415)
-- Name: employee; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.employee (
    person_id integer NOT NULL,
    status character varying(20) NOT NULL
);


ALTER TABLE public.employee OWNER TO postgres;

--
-- TOC entry 223 (class 1259 OID 16443)
-- Name: employee_with_position; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.employee_with_position (
    id integer NOT NULL,
    employee_id integer NOT NULL,
    position_id integer NOT NULL,
    start_date date NOT NULL,
    end_date date
);


ALTER TABLE public.employee_with_position OWNER TO postgres;

--
-- TOC entry 222 (class 1259 OID 16442)
-- Name: employee_with_position_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.employee_with_position_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.employee_with_position_id_seq OWNER TO postgres;

--
-- TOC entry 5031 (class 0 OID 0)
-- Dependencies: 222
```

```
-- Name: employee_with_position_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.employee_with_position_id_seq OWNED BY public.employee_with_position.id;


--
-- TOC entry 233 (class 1259 OID 16527)
-- Name: passenger; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.passenger (
    person_id integer NOT NULL,
    discount real,
      CONSTRAINT check_discount CHECK (((discount >= (0)::double precision) AND (discount <=
(1)::double precision)))
);


ALTER TABLE public.passenger OWNER TO postgres;

--
-- TOC entry 227 (class 1259 OID 16468)
-- Name: payment; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.payment (
    id integer NOT NULL,
    payment_type_id integer NOT NULL,
    employee_id integer NOT NULL,
    amount integer NOT NULL,
    date date NOT NULL,
    CONSTRAINT check_amount CHECK ((amount > 0))
);


ALTER TABLE public.payment OWNER TO postgres;

--
-- TOC entry 226 (class 1259 OID 16467)
-- Name: payment_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.payment_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
```

```
    CACHE 1;


ALTER SEQUENCE public.payment_id_seq OWNER TO postgres;

--
-- TOC entry 5032 (class 0 OID 0)
-- Dependencies: 226
-- Name: payment_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.payment_id_seq OWNED BY public.payment.id;


--
-- TOC entry 225 (class 1259 OID 16461)
-- Name: payment_type; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.payment_type (
    id integer NOT NULL,
    name character varying(30) NOT NULL
);


ALTER TABLE public.payment_type OWNER TO postgres;

--
-- TOC entry 224 (class 1259 OID 16460)
-- Name: payment_type_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.payment_type_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.payment_type_id_seq OWNER TO postgres;

--
-- TOC entry 5033 (class 0 OID 0)
-- Dependencies: 224
-- Name: payment_type_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--
```

```
ALTER SEQUENCE public.payment_type_id_seq OWNED BY public.payment_type.id;


--
-- TOC entry 217 (class 1259 OID 16402)
-- Name: person; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.person (
    id integer NOT NULL,
    full_name character varying(100) NOT NULL,
    address character varying(255) NOT NULL,
    phone character(12) NOT NULL,
    passport character varying(20) NOT NULL,
    CONSTRAINT check_full_name CHECK (((full_name)::text ~ '^[А-Яа-яЁё -]+$'::text)),
    CONSTRAINT check_passport CHECK (((passport)::text ~ '^[A-Za-zA-Яа-яЁё0-9 ]+$'::text)),
    CONSTRAINT check_phone CHECK ((phone ~ '^[0-9+]+$'::text))
);


ALTER TABLE public.person OWNER TO postgres;

--
-- TOC entry 218 (class 1259 OID 16405)
-- Name: person_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.person_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.person_id_seq OWNER TO postgres;

--
-- TOC entry 5034 (class 0 OID 0)
-- Dependencies: 218
-- Name: person_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.person_id_seq OWNED BY public.person.id;


--
-- TOC entry 220 (class 1259 OID 16432)
```

```
-- Name: position; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public."position" (
    id integer NOT NULL,
    title character varying(50) NOT NULL,
    basic_salary integer NOT NULL,
    CONSTRAINT check_basic_salary CHECK ((basic_salary >= 0))
);


ALTER TABLE public."position" OWNER TO postgres;

--
-- TOC entry 221 (class 1259 OID 16435)
-- Name: position_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.position_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.position_id_seq OWNER TO postgres;

--
-- TOC entry 5035 (class 0 OID 0)
-- Dependencies: 221
-- Name: position_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.position_id_seq OWNED BY public."position".id;


--
-- TOC entry 243 (class 1259 OID 16617)
-- Name: tariff; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.tariff (
    id integer NOT NULL,
    name character varying(50) NOT NULL,
    car_type character varying(30) NOT NULL,
```

```
    CONSTRAINT check_car_type CHECK (((car_type)::text = ANY ((ARRAY['эконом'::character varying,
'комфорт'::character varying, 'бизнес'::character varying, 'премиум'::character
varying])::text[])))
);


ALTER TABLE public.tariff OWNER TO postgres;

--
-- TOC entry 242 (class 1259 OID 16616)
-- Name: tariff_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.tariff_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.tariff_id_seq OWNER TO postgres;

--
-- TOC entry 5036 (class 0 OID 0)
-- Dependencies: 242
-- Name: tariff_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.tariff_id_seq OWNED BY public.tariff.id;


--
-- TOC entry 245 (class 1259 OID 16627)
-- Name: tariff_price; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.tariff_price (
    id integer NOT NULL,
    tariff_id integer NOT NULL,
    price_per_km integer NOT NULL,
    start_date timestamp without time zone NOT NULL,
    end_date timestamp without time zone,
    CONSTRAINT check_date CHECK ((end_date > start_date)),
    CONSTRAINT check_price_per_km CHECK ((price_per_km >= 0))
);
```

```
ALTER TABLE public.tariff_price OWNER TO postgres;

--
-- TOC entry 244 (class 1259 OID 16626)
-- Name: tariff_price_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.tariff_price_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.tariff_price_id_seq OWNER TO postgres;

--
-- TOC entry 5037 (class 0 OID 0)
-- Dependencies: 244
-- Name: tariff_price_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.tariff_price_id_seq OWNED BY public.tariff_price.id;


--
-- TOC entry 249 (class 1259 OID 16647)
-- Name: taxi_call; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.taxi_call (
    id integer NOT NULL,
    driver_id integer NOT NULL,
    tariff_price_id integer NOT NULL,
    cost_adjustment_id integer NOT NULL,
    passenger_id integer NOT NULL,
    administrator_id integer NOT NULL,
    payment_amount integer NOT NULL,
    start_time timestamp without time zone NOT NULL,
    end_time timestamp without time zone NOT NULL,
    start_place character varying(200) NOT NULL,
    end_place character varying(200) NOT NULL,
    distance integer NOT NULL,
    payment_method character varying(20) NOT NULL,
    trip_rating integer,
    trip_review text,
    call_time timestamp without time zone NOT NULL,
```

```
    CONSTRAINT check_distance CHECK ((distance >= 0)),
    CONSTRAINT check_payment_amount CHECK ((payment_amount >= 0)),
                CONSTRAINT    check_payment_method    CHECK    (((payment_method)::text    =    ANY
((ARRAY['наличные'::character    varying,    'онлайн'::character    varying,    'карта'::character
varying])::text[]))),
    CONSTRAINT check_time CHECK (((end_time > start_time) AND (start_time > call_time))),
    CONSTRAINT check_trip_rating CHECK (((trip_rating >= 1) AND (trip_rating <= 5)))
);


ALTER TABLE public.taxi_call OWNER TO postgres;

--
-- TOC entry 248 (class 1259 OID 16646)
-- Name: taxi_call_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.taxi_call_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.taxi_call_id_seq OWNER TO postgres;

--
-- TOC entry 5038 (class 0 OID 0)
-- Dependencies: 248
-- Name: taxi_call_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.taxi_call_id_seq OWNED BY public.taxi_call.id;


--
-- TOC entry 232 (class 1259 OID 16513)
-- Name: work_schedule; Type: TABLE; Schema: public; Owner: postgres
--

CREATE TABLE public.work_schedule (
    id integer NOT NULL,
    driver_id integer NOT NULL,
    start_time timestamp without time zone NOT NULL,
    end_time timestamp without time zone NOT NULL,
    status character varying(20),
    CONSTRAINT check_time CHECK ((end_time > start_time))
```

```
);


ALTER TABLE public.work_schedule OWNER TO postgres;

--
-- TOC entry 231 (class 1259 OID 16512)
-- Name: work_schedule_id_seq; Type: SEQUENCE; Schema: public; Owner: postgres
--

CREATE SEQUENCE public.work_schedule_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER SEQUENCE public.work_schedule_id_seq OWNER TO postgres;

--
-- TOC entry 5039 (class 0 OID 0)
-- Dependencies: 231
-- Name: work_schedule_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: postgres
--

ALTER SEQUENCE public.work_schedule_id_seq OWNED BY public.work_schedule.id;


--
-- TOC entry 4730 (class 2604 OID 16551)
-- Name: bank_card id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.bank_card ALTER COLUMN id SET DEFAULT
nextval('public.bank_card_id_seq'::regclass);


--
-- TOC entry 4732 (class 2604 OID 16580)
-- Name: car id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.car ALTER COLUMN id SET DEFAULT nextval('public.car_id_seq'::regclass);


--
-- TOC entry 4731 (class 2604 OID 16564)
```

```
-- Name: car_model id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.car_model ALTER COLUMN id SET DEFAULT
nextval('public.car_model_id_seq'::regclass);


--
-- TOC entry 4733 (class 2604 OID 16595)
-- Name: car_usage id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.car_usage ALTER COLUMN id SET DEFAULT
nextval('public.car_usage_id_seq'::regclass);


--
-- TOC entry 4736 (class 2604 OID 16642)
-- Name: cost_adjustment id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.cost_adjustment ALTER COLUMN id SET DEFAULT
nextval('public.cost_adjustment_id_seq'::regclass);


--
-- TOC entry 4728 (class 2604 OID 16500)
-- Name: driver employee_id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.driver ALTER COLUMN employee_id SET DEFAULT
nextval('public.driver_employee_id_seq'::regclass);


--
-- TOC entry 4725 (class 2604 OID 16446)
-- Name: employee_with_position id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.employee_with_position ALTER COLUMN id SET DEFAULT
nextval('public.employee_with_position_id_seq'::regclass);


--
-- TOC entry 4727 (class 2604 OID 16471)
-- Name: payment id; Type: DEFAULT; Schema: public; Owner: postgres
--
```

```
ALTER TABLE ONLY public.payment ALTER COLUMN id SET DEFAULT
nextval('public.payment_id_seq'::regclass);


--
-- TOC entry 4726 (class 2604 OID 16464)
-- Name: payment_type id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.payment_type ALTER COLUMN id SET DEFAULT
nextval('public.payment_type_id_seq'::regclass);


--
-- TOC entry 4723 (class 2604 OID 16406)
-- Name: person id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.person ALTER COLUMN id SET DEFAULT
nextval('public.person_id_seq'::regclass);


--
-- TOC entry 4724 (class 2604 OID 16436)
-- Name: position id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public."position" ALTER COLUMN id SET DEFAULT
nextval('public.position_id_seq'::regclass);


--
-- TOC entry 4734 (class 2604 OID 16620)
-- Name: tariff id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.tariff ALTER COLUMN id SET DEFAULT
nextval('public.tariff_id_seq'::regclass);


--
-- TOC entry 4735 (class 2604 OID 16630)
-- Name: tariff_price id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.tariff_price ALTER COLUMN id SET DEFAULT
nextval('public.tariff_price_id_seq'::regclass);
```

```
--
-- TOC entry 4737 (class 2604 OID 16650)
-- Name: taxi_call id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.taxi_call ALTER COLUMN id SET DEFAULT
nextval('public.taxi_call_id_seq'::regclass);


--
-- TOC entry 4729 (class 2604 OID 16516)
-- Name: work_schedule id; Type: DEFAULT; Schema: public; Owner: postgres
--

ALTER TABLE ONLY public.work_schedule ALTER COLUMN id SET DEFAULT
nextval('public.work_schedule_id_seq'::regclass);


--
-- TOC entry 4998 (class 0 OID 16484)
-- Dependencies: 228
-- Data for Name: administrator; Type: TABLE DATA; Schema: public; Owner: postgres
--
```

Выводы

В данной лабораторной работе мне удалось овладеть практическими навыками создания таблиц базы данных PostgreSQL 17, заполнения их рабочими данными, резервного копирования и восстановления БД.