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Федеральное государственное автономное образовательное учреждение
высшего образования
«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО»
Факультет инфокоммуникационных технологий

ОТЧЕТ
О ЛАБОРАТОРНОЙ РАБОТЕ № 3

по теме: АНАЛИЗ ДАННЫХ. ПОСТРОЕНИЕ ИНФОЛОГИЧЕСКОЙ МОДЕЛИ ДАННЫХ БД

по дисциплине: Проектирование и реализация баз данных

Специальность:
09.03.03 Мобильные и сетевые технологии

Проверил:
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Дата: «__» ____ 2021 г.
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1. Цель работы

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

2. 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:

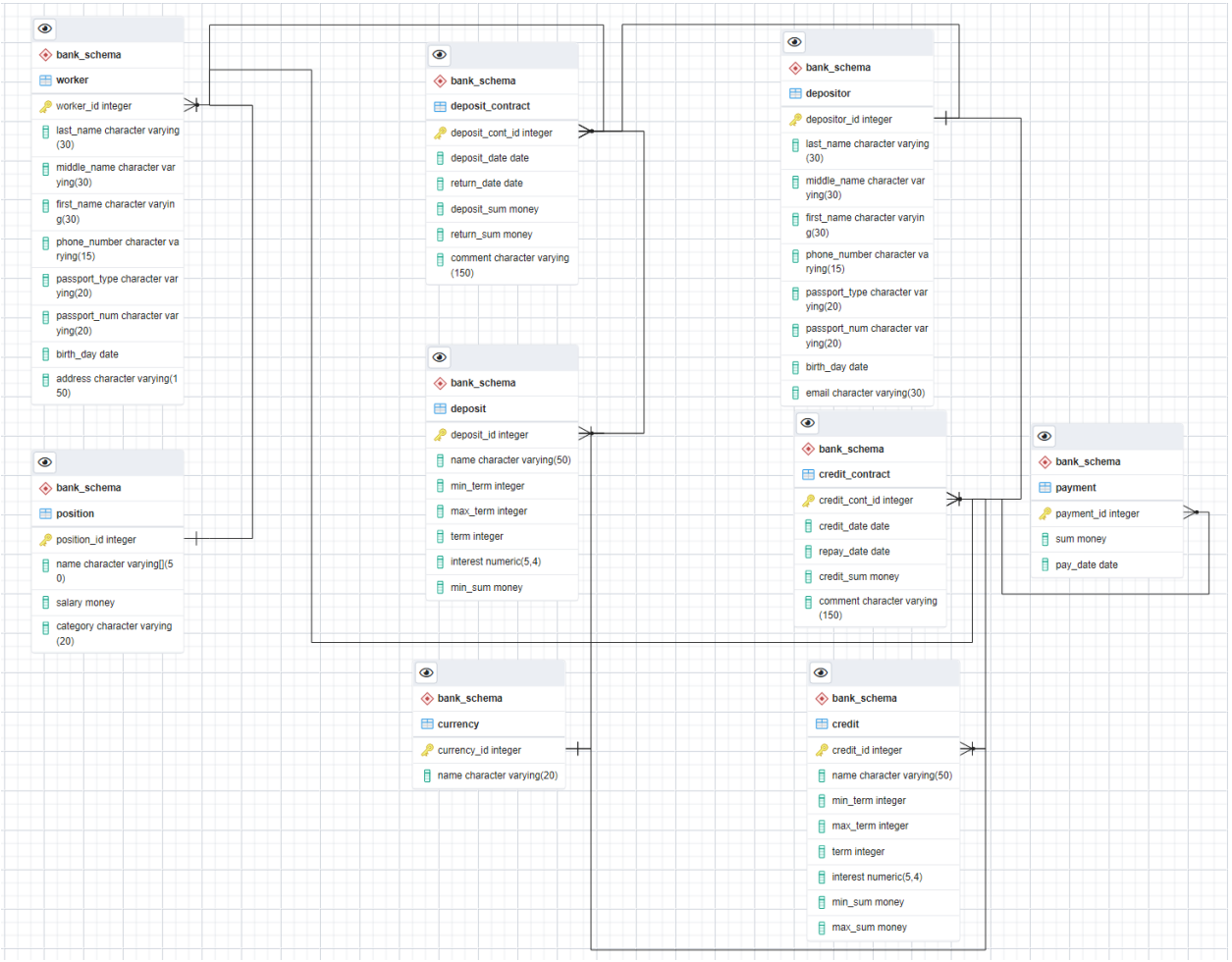
   - с расширением CUSTOM для восстановления БД;
   - с расширением PLAIN для листинга (в отчете);
   - при создании резервных копий БД настроить параметры Dump options для Type of objects и Queries .
7. Восстановить БД.

3. Выполнение

1. Название создаваемой БД.

   “bank”

2. Схема логической модели базы данных, сгенерированная в Generate ERD



(рис. 1 схема)

3. Dump, содержащий скрипты работы с БД.

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

-- Dumped from database version 13.2
-- Dumped by pg_dump version 13.2
```

```
-- Started on 2021-06-11 10:32:00

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_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;

--
-- TOC entry 3113 (class 1262 OID 32902)
-- Name: bank; Type: DATABASE; Schema: -; Owner: postgres
--

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


ALTER DATABASE bank OWNER TO postgres;

\connect bank

SET statement_timeout = 0;
SET lock_timeout = 0;
SET idle_in_transaction_session_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;

--
-- TOC entry 6 (class 2615 OID 32903)
-- Name: bank_schema; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA bank_schema;


ALTER SCHEMA bank_schema OWNER TO postgres;

SET default_tablespace = '';

SET default_table_access_method = heap;
```

```
--
-- TOC entry 212 (class 1259 OID 33005)
-- Name: credit; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.credit (
    credit_id integer NOT NULL,
    name character varying(50) NOT NULL,
    min_term integer,
    max_term integer,
    term integer NOT NULL,
    interest numeric(5,4) NOT NULL,
    min_sum money,
    max_sum money,
    currency_id integer NOT NULL
);


ALTER TABLE bank_schema.credit OWNER TO postgres;

--
-- TOC entry 208 (class 1259 OID 32986)
-- Name: credit_contract; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.credit_contract (
    credit_cont_id integer NOT NULL,
    credit_date date NOT NULL,
    repay_date date NOT NULL,
    credit_sum money NOT NULL,
    comment character varying(150),
    credit_id integer NOT NULL,
    depositor_id integer NOT NULL,
    worker_id integer NOT NULL,
    CONSTRAINT credit_date CHECK ((credit_date < repay_date)),
    CONSTRAINT repay_date CHECK ((repay_date > credit_date))
);


ALTER TABLE bank_schema.credit_contract OWNER TO postgres;

--
-- TOC entry 207 (class 1259 OID 32984)
-- Name: credit_contract_credit_cont_id_seq; Type: SEQUENCE; Schema: bank_schema;
Owner: postgres
--

CREATE SEQUENCE bank_schema.credit_contract_credit_cont_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
```

```
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.credit_contract_credit_cont_id_seq OWNER TO postgres;

--
-- TOC entry 3114 (class 0 OID 0)
-- Dependencies: 207
-- Name: credit_contract_credit_cont_id_seq; Type: SEQUENCE OWNED BY; Schema:
bank_schema; Owner: postgres
--

ALTER SEQUENCE bank_schema.credit_contract_credit_cont_id_seq OWNED BY
bank_schema.credit_contract.credit_cont_id;



--
-- TOC entry 211 (class 1259 OID 33003)
-- Name: credit_credit_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner: postgres
--

CREATE SEQUENCE bank_schema.credit_credit_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.credit_credit_id_seq OWNER TO postgres;

--
-- TOC entry 3115 (class 0 OID 0)
-- Dependencies: 211
-- Name: credit_credit_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema; Owner:
postgres
--

ALTER SEQUENCE bank_schema.credit_credit_id_seq OWNED BY
bank_schema.credit.credit_id;



--
-- TOC entry 216 (class 1259 OID 33028)
-- Name: currency; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.currency (
    currency_id integer NOT NULL,
    name character varying(20) NOT NULL
```

```
);


ALTER TABLE bank_schema.currency OWNER TO postgres;

--
-- TOC entry 215 (class 1259 OID 33026)
-- Name: currency_currency_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner:
postgres
--

CREATE SEQUENCE bank_schema.currency_currency_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.currency_currency_id_seq OWNER TO postgres;

--
-- TOC entry 3116 (class 0 OID 0)
-- Dependencies: 215
-- Name: currency_currency_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema;
Owner: postgres
--

ALTER SEQUENCE bank_schema.currency_currency_id_seq OWNED BY
bank_schema.currency.currency_id;


--
-- TOC entry 210 (class 1259 OID 32996)
-- Name: deposit; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.deposit (
    deposit_id integer NOT NULL,
    name character varying(50) NOT NULL,
    min_term integer,
    max_term integer,
    term integer NOT NULL,
    interest numeric(5,4) NOT NULL,
    min_sum money,
    currency_id integer NOT NULL,
    CONSTRAINT interest CHECK (((interest >= (0)::numeric) AND (interest <=
(1)::numeric)))
);
```

```
ALTER TABLE bank_schema.deposit OWNER TO postgres;

--
-- TOC entry 206 (class 1259 OID 32976)
-- Name: deposit_contract; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.deposit_contract (
    deposit_cont_id integer NOT NULL,
    deposit_date date NOT NULL,
    return_date date NOT NULL,
    deposit_sum money NOT NULL,
    return_sum money NOT NULL,
    comment character varying(150),
    deposit_id integer NOT NULL,
    depositor_id integer NOT NULL,
    worker_id integer NOT NULL,
    CONSTRAINT deposit_date CHECK ((deposit_date < return_date)),
    CONSTRAINT return_date CHECK ((return_date > deposit_date))
);


ALTER TABLE bank_schema.deposit_contract OWNER TO postgres;

--
-- TOC entry 205 (class 1259 OID 32974)
-- Name: deposit_contract_deposit_cont_id_seq; Type: SEQUENCE; Schema: bank_schema;
Owner: postgres
--

CREATE SEQUENCE bank_schema.deposit_contract_deposit_cont_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.deposit_contract_deposit_cont_id_seq OWNER TO postgres;

--
-- TOC entry 3117 (class 0 OID 0)
-- Dependencies: 205
-- Name: deposit_contract_deposit_cont_id_seq; Type: SEQUENCE OWNED BY; Schema:
bank_schema; Owner: postgres
--

ALTER SEQUENCE bank_schema.deposit_contract_deposit_cont_id_seq OWNED BY
bank_schema.deposit_contract.deposit_cont_id;
```

```
--
-- TOC entry 209 (class 1259 OID 32994)
-- Name: deposit_deposit_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner:
postgres
--

CREATE SEQUENCE bank_schema.deposit_deposit_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.deposit_deposit_id_seq OWNER TO postgres;

--
-- TOC entry 3118 (class 0 OID 0)
-- Dependencies: 209
-- Name: deposit_deposit_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema;
Owner: postgres
--

ALTER SEQUENCE bank_schema.deposit_deposit_id_seq OWNED BY
bank_schema.deposit.deposit_id;


--
-- TOC entry 204 (class 1259 OID 32938)
-- Name: depositor; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.depositor (
    depositor_id integer NOT NULL,
    last_name character varying(30) NOT NULL,
    middle_name character varying(30) NOT NULL,
    first_name character varying(30) NOT NULL,
    phone_number character varying(15),
    passport_type character varying(20) NOT NULL,
    passport_num character varying(20) NOT NULL,
    birth_day date NOT NULL,
    email character varying(30) NOT NULL
);


ALTER TABLE bank_schema.depositor OWNER TO postgres;

--
-- TOC entry 203 (class 1259 OID 32936)
-- Name: depositor_depositor_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner:
postgres
```

```
--

CREATE SEQUENCE bank_schema.depositor_depositor_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.depositor_depositor_id_seq OWNER TO postgres;

--
-- TOC entry 3119 (class 0 OID 0)
-- Dependencies: 203
-- Name: depositor_depositor_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema;
Owner: postgres
--

ALTER SEQUENCE bank_schema.depositor_depositor_id_seq OWNED BY
bank_schema.depositor.depositor_id;


--
-- TOC entry 214 (class 1259 OID 33020)
-- Name: payment; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.payment (
    payment_id integer NOT NULL,
    sum money NOT NULL,
    pay_date date NOT NULL,
    credit_cont_id integer NOT NULL
);


ALTER TABLE bank_schema.payment OWNER TO postgres;

--
-- TOC entry 213 (class 1259 OID 33018)
-- Name: payment_payment_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner:
postgres
--

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

```
ALTER TABLE bank_schema.payment_payment_id_seq OWNER TO postgres;

--
-- TOC entry 3120 (class 0 OID 0)
-- Dependencies: 213
-- Name: payment_payment_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema;
Owner: postgres
--

ALTER SEQUENCE bank_schema.payment_payment_id_seq OWNED BY
bank_schema.payment.payment_id;


--
-- TOC entry 218 (class 1259 OID 33089)
-- Name: position; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema."position" (
    position_id integer NOT NULL,
    name character varying(50) NOT NULL,
    salary money NOT NULL,
    category character varying(20),
    CONSTRAINT category CHECK (((category)::text = ANY (ARRAY['First'::text,
'Second'::text, 'Third'::text, 'Fourth'::text])))
);


ALTER TABLE bank_schema."position" OWNER TO postgres;

--
-- TOC entry 217 (class 1259 OID 33087)
-- Name: position_position_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner:
postgres
--

CREATE SEQUENCE bank_schema.position_position_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.position_position_id_seq OWNER TO postgres;

--
-- TOC entry 3121 (class 0 OID 0)
-- Dependencies: 217
```

```
-- Name: position_position_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema;
Owner: postgres
--

ALTER SEQUENCE bank_schema.position_position_id_seq OWNED BY
bank_schema."position".position_id;


--
-- TOC entry 202 (class 1259 OID 32925)
-- Name: worker; Type: TABLE; Schema: bank_schema; Owner: postgres
--

CREATE TABLE bank_schema.worker (
    worker_id integer NOT NULL,
    last_name character varying(30) NOT NULL,
    middle_name character varying(30) NOT NULL,
    first_name character varying(30) NOT NULL,
    phone_number character varying(15),
    passport_type character varying(20) NOT NULL,
    passport_num character varying(20) NOT NULL,
    birth_day date NOT NULL,
    address character varying(150) NOT NULL,
    position_id integer NOT NULL
);


ALTER TABLE bank_schema.worker OWNER TO postgres;

--
-- TOC entry 201 (class 1259 OID 32923)
-- Name: worker_worker_id_seq; Type: SEQUENCE; Schema: bank_schema; Owner: postgres
--

CREATE SEQUENCE bank_schema.worker_worker_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;


ALTER TABLE bank_schema.worker_worker_id_seq OWNER TO postgres;

--
-- TOC entry 3122 (class 0 OID 0)
-- Dependencies: 201
-- Name: worker_worker_id_seq; Type: SEQUENCE OWNED BY; Schema: bank_schema; Owner:
postgres
--
```

```
ALTER SEQUENCE bank_schema.worker_worker_id_seq OWNED BY
bank_schema.worker.worker_id;


--
-- TOC entry 2923 (class 2604 OID 33008)
-- Name: credit credit_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit ALTER COLUMN credit_id SET DEFAULT
nextval('bank_schema.credit_credit_id_seq'::regclass);


--
-- TOC entry 2915 (class 2604 OID 32989)
-- Name: credit_contract credit_cont_id; Type: DEFAULT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.credit_contract ALTER COLUMN credit_cont_id SET
DEFAULT nextval('bank_schema.credit_contract_credit_cont_id_seq'::regclass);


--
-- TOC entry 2929 (class 2604 OID 33031)
-- Name: currency currency_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.currency ALTER COLUMN currency_id SET DEFAULT
nextval('bank_schema.currency_currency_id_seq'::regclass);


--
-- TOC entry 2918 (class 2604 OID 32999)
-- Name: deposit deposit_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit ALTER COLUMN deposit_id SET DEFAULT
nextval('bank_schema.deposit_deposit_id_seq'::regclass);


--
-- TOC entry 2912 (class 2604 OID 32979)
-- Name: deposit_contract deposit_cont_id; Type: DEFAULT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit_contract ALTER COLUMN deposit_cont_id SET
DEFAULT nextval('bank_schema.deposit_contract_deposit_cont_id_seq'::regclass);


--
```

```
-- TOC entry 2905 (class 2604 OID 32941)
-- Name: depositor depositor_id; Type: DEFAULT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.depositor ALTER COLUMN depositor_id SET DEFAULT
nextval('bank_schema.depositor_depositor_id_seq'::regclass);


--
-- TOC entry 2928 (class 2604 OID 33023)
-- Name: payment payment_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.payment ALTER COLUMN payment_id SET DEFAULT
nextval('bank_schema.payment_payment_id_seq'::regclass);


--
-- TOC entry 2930 (class 2604 OID 33092)
-- Name: position position_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema."position" ALTER COLUMN position_id SET DEFAULT
nextval('bank_schema.position_position_id_seq'::regclass);


--
-- TOC entry 2899 (class 2604 OID 32928)
-- Name: worker worker_id; Type: DEFAULT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.worker ALTER COLUMN worker_id SET DEFAULT
nextval('bank_schema.worker_worker_id_seq'::regclass);


--
-- TOC entry 3101 (class 0 OID 33005)
-- Dependencies: 212
-- Data for Name: credit; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (1, 'Phegopteris hexagonoptera
(Michx.) Fée', 48, 150, 98, 0.1400, '53 020,00 ?', '1 881 408,00 ?', 2);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (2, 'Strophanthus kombe Oliv.', 56,
127, 73, 0.0900, '80 183,00 ?', '2 507 405,00 ?', 1);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (3, 'Trifolium dubium Sibth.', 51,
141, 98, 0.1500, '76 427,00 ?', '3 585 127,00 ?', 2);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
```

```
interest, min_sum, max_sum, currency_id) VALUES (4, 'Prosopis L.', 51, 136, 97,
0.1300, '27 727,00 ?', '4 451 048,00 ?', 1);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (5, 'Myriotrema laeviusculum (Nyl.)
Hale', 43, 142, 83, 0.1600, '47 013,00 ?', '2 515 752,00 ?', 2);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (6, 'Digitaria exilis (Kippist)
Stapf', 47, 126, 75, 0.0900, '36 389,00 ?', '2 554 289,00 ?', 3);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (7, 'Viburnum recognitum Fernald',
53, 126, 90, 0.1900, '29 543,00 ?', '1 521 699,00 ?', 1);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (8, 'Lomatium nuttallii (A. Gray)
J.F. Macbr.', 42, 129, 100, 0.0700, '38 199,00 ?', '2 719 743,00 ?', 3);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (9, 'Dicentra Bernh.', 41, 128, 72,
0.1700, '26 749,00 ?', '2 013 360,00 ?', 2);
INSERT INTO bank_schema.credit (credit_id, name, min_term, max_term, term,
interest, min_sum, max_sum, currency_id) VALUES (10, 'Eutrochium maculatum (L.)
E.E. Lamont', 53, 126, 77, 0.1000, '72 295,00 ?', '3 524 090,00 ?', 1);


--
-- TOC entry 3097 (class 0 OID 32986)
-- Dependencies: 208
-- Data for Name: credit_contract; Type: TABLE DATA; Schema: bank_schema; Owner:
postgres
--

INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (1, '2021-04-21',
'2021-06-16', '109 401,00 ?', NULL, 10, 1, 4);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (2, '2021-04-10',
'2021-06-19', '104 932,00 ?', NULL, 5, 6, 5);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (3, '2021-04-07',
'2021-06-07', '112 048,00 ?', NULL, 3, 6, 1);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (4, '2021-04-01',
'2021-06-29', '103 325,00 ?', NULL, 5, 1, 4);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (5, '2021-04-28',
'2021-06-04', '100 235,00 ?', NULL, 3, 10, 6);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (6, '2021-04-15',
'2021-06-05', '113 956,00 ?', NULL, 3, 7, 1);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (7, '2021-04-12',
'2021-06-17', '108 445,00 ?', NULL, 3, 9, 5);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (8, '2021-04-04',
```

```
'2021-06-29', '120 077,00 ?', NULL, 2, 4, 5);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (9, '2021-04-10',
'2021-06-27', '124 369,00 ?', NULL, 7, 7, 5);
INSERT INTO bank_schema.credit_contract (credit_cont_id, credit_date, repay_date,
credit_sum, comment, credit_id, depositor_id, worker_id) VALUES (10, '2021-04-15',
'2021-06-24', '113 100,00 ?', NULL, 3, 4, 3);


--
-- TOC entry 3105 (class 0 OID 33028)
-- Dependencies: 216
-- Data for Name: currency; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema.currency (currency_id, name) VALUES (1, 'Rubbles');
INSERT INTO bank_schema.currency (currency_id, name) VALUES (2, 'Dollars');
INSERT INTO bank_schema.currency (currency_id, name) VALUES (3, 'Euros');


--
-- TOC entry 3099 (class 0 OID 32996)
-- Dependencies: 210
-- Data for Name: deposit; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (1, 'Saritaea Dugand', 40, 141, 85, 0.1000,
'10 000,00 ?', 2);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (2, 'Dicranella grevilleana (Brid.)
Schimp.', 43, 139, 87, 0.0600, '100 000,00 ?', 2);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (3, 'Calochortus argillosus', 41, 127, 96,
0.0600, '10 000,00 ?', 3);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (4, 'Smelowskia calycina (Stephan ex
Willd.)', 44, 124, 80, 0.0500, '10 000,00 ?', 3);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (5, 'Phacelia ramosissima Douglas', 50, 130,
84, 0.1200, '10 000,00 ?', 2);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (6, 'Solidago rugosa Mill', 42, 131, 79,
0.0800, '10 000,00 ?', 1);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (7, 'Kleinhovia L.', 53, 150, 87, 0.1800,
'10 000,00 ?', 2);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (8, 'Pogonia ophioglossoides (L.) Ker
Gawl.', 47, 147, 85, 0.1700, '1 000 000,00 ?', 3);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (9, 'Rubus prosper L.H. Bailey', 41, 139,
```

```
78, 0.0900, '10 000,00 ?', 2);
INSERT INTO bank_schema.deposit (deposit_id, name, min_term, max_term, term,
interest, min_sum, currency_id) VALUES (10, 'Sorbus L.', 46, 148, 91, 0.0900, '100
000,00 ?', 3);



--
-- TOC entry 3095 (class 0 OID 32976)
-- Dependencies: 206
-- Data for Name: deposit_contract; Type: TABLE DATA; Schema: bank_schema; Owner:
postgres
--

INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (1, '2021-04-25', '2021-06-05', '119 132,00 ?', '160 166,00 ?', NULL, 5, 4,
3);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (2, '2021-04-19', '2021-06-14', '107 771,00 ?', '144 430,00 ?', NULL, 1, 4,
3);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (3, '2021-04-24', '2021-06-10', '119 166,00 ?', '169 618,00 ?', NULL, 3, 6,
1);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (4, '2021-04-28', '2021-06-10', '117 397,00 ?', '163 386,00 ?', NULL, 4, 1,
5);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (5, '2021-04-10', '2021-06-23', '116 346,00 ?', '143 208,00 ?', NULL, 1, 10,
1);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (6, '2021-04-27', '2021-06-03', '105 991,00 ?', '149 983,00 ?', NULL, 5, 6,
1);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (7, '2021-04-28', '2021-06-05', '117 739,00 ?', '163 761,00 ?', NULL, 4, 5,
5);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (8, '2021-04-04', '2021-06-01', '104 927,00 ?', '171 234,00 ?', NULL, 1, 5,
5);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (9, '2021-04-12', '2021-06-13', '106 469,00 ?', '155 470,00 ?', NULL, 7, 5,
5);
INSERT INTO bank_schema.deposit_contract (deposit_cont_id, deposit_date,
return_date, deposit_sum, return_sum, comment, deposit_id, depositor_id, worker_id)
VALUES (10, '2021-04-05', '2021-06-04', '108 321,00 ?', '147 534,00 ?', NULL, 2, 3,
```

```
4);


--
-- TOC entry 3093 (class 0 OID 32938)
-- Dependencies: 204
-- Data for Name: depositor; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (1,
'Buck', 'Patricia', 'Claresta', '+6(887)228-6281', 'RU', '2666235983',
'1990-02-01', 'hey@yes.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (2,
'Hello', 'Way', 'Aggie', '(246) 8689981', 'EU', '5457342709', '1960-11-02',
'avangeffen0@fotki.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (6,
'Thebe', 'Goddard', 'Jenifer', '(105) 7085270', 'Other', '9537623771',
'1974-02-22', 'jthebe1@ovh.net');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (7,
'Tomaello', 'Josi', 'Ninetta', '(797) 8036523', 'EU', '1846326479', '1980-07-30',
'ntomaello2@weebly.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (8,
'MacPake', 'Austine', 'Delmor', '(548) 8445032', 'RU', '9332691820', '1996-12-30',
'dmacpake3@addthis.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (9,
'Shankland', 'Beret', 'Sylvester', '(767) 7370394', 'RU', '6612871669',
'1961-03-07', 'sshankland4@51.la');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (3,
'Perigoe', 'Lucky', 'Florian', '(256) 6747601', 'RU', '9694490117', '1994-06-25',
'fperigoe5@huffingtonpost.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (4,
'Glackin', 'Morey', 'Gunilla', '(294) 5622413', 'Other', '4312692248',
'1962-04-20', 'gglackin6@wikipedia.org');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES (5,
'Tallet', 'Maximilian', 'Aime', '(892) 4028472', 'USA', '7356540737', '1971-11-17',
'atallet7@marriott.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES
(10, 'Edney', 'Heida', 'Boothe', '(410) 7803069', 'RU', '2675832227', '1992-04-16',
'bedney8@surveymonkey.com');
INSERT INTO bank_schema.depositor (depositor_id, last_name, middle_name,
first_name, phone_number, passport_type, passport_num, birth_day, email) VALUES
(11, 'Arnett', 'Wilbert', 'Jourdain', '(170) 4684487', 'RU', '8098994033',
```

```
'1965-03-07', 'jarnett9@opensource.org');


--
-- TOC entry 3103 (class 0 OID 33020)
-- Dependencies: 214
-- Data for Name: payment; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--




--
-- TOC entry 3107 (class 0 OID 33089)
-- Dependencies: 218
-- Data for Name: position; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema."position" (position_id, name, salary, category) VALUES (1,
'Manager', '150 000,00 ?', 'First');
INSERT INTO bank_schema."position" (position_id, name, salary, category) VALUES (2,
'Manager', '100 000,00 ?', 'Second');
INSERT INTO bank_schema."position" (position_id, name, salary, category) VALUES (3,
'Account Manager', '80 000,00 ?', NULL);



--
-- TOC entry 3091 (class 0 OID 32925)
-- Dependencies: 202
-- Data for Name: worker; Type: TABLE DATA; Schema: bank_schema; Owner: postgres
--

INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(1, 'Rubberts', 'Ginni', 'Vilma', '554-310-5157', 'RU', '6189140309', '1938-06-10',
'23 Marquette Way', 3);
INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(2, 'Dyka', 'Aura', 'Tanny', '985-601-7178', 'RU', '2078426119', '1966-09-11', '9
Walton Way', 3);
INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(3, 'Howell', 'Cissy', 'Ransell', '449-159-0949', 'RU', '2258661370', '1986-08-31',
'9674 Caliangt Trail', 1);
INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(4, 'Beggini', 'Melloney', 'Melvin', '759-658-7228', 'RU', '5732945083',
'1994-03-12', '96133 Fair Oaks Plaza', 3);
INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(5, 'Siggens', 'Sauveur', 'Donnamarie', '563-429-1673', 'EU', '2787726285',
'1974-03-20', '046 Ridgeway Junction', 3);
INSERT INTO bank_schema.worker (worker_id, last_name, middle_name, first_name,
```

```
phone_number, passport_type, passport_num, birth_day, address, position_id) VALUES
(6, 'Cockroft', 'Vinnie', 'Jules', '501-150-6596', 'RU', 'ABCD252505',
'1966-09-11', '61388 Redwing Trail', 2);


--
-- TOC entry 3123 (class 0 OID 0)
-- Dependencies: 207
-- Name: credit_contract_credit_cont_id_seq; Type: SEQUENCE SET; Schema:
bank_schema; Owner: postgres
--

SELECT pg_catalog.setval('bank_schema.credit_contract_credit_cont_id_seq', 1,
false);


--
-- TOC entry 3124 (class 0 OID 0)
-- Dependencies: 211
-- Name: credit_credit_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
--

SELECT pg_catalog.setval('bank_schema.credit_credit_id_seq', 1, false);


--
-- TOC entry 3125 (class 0 OID 0)
-- Dependencies: 215
-- Name: currency_currency_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
--

SELECT pg_catalog.setval('bank_schema.currency_currency_id_seq', 1, false);


--
-- TOC entry 3126 (class 0 OID 0)
-- Dependencies: 205
-- Name: deposit_contract_deposit_cont_id_seq; Type: SEQUENCE SET; Schema:
bank_schema; Owner: postgres
--

SELECT pg_catalog.setval('bank_schema.deposit_contract_deposit_cont_id_seq', 1,
false);


--
-- TOC entry 3127 (class 0 OID 0)
-- Dependencies: 209
-- Name: deposit_deposit_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
```

```
--

SELECT pg_catalog.setval('bank_schema.deposit_deposit_id_seq', 1, false);


--
-- TOC entry 3128 (class 0 OID 0)
-- Dependencies: 203
-- Name: depositor_depositor_id_seq; Type: SEQUENCE SET; Schema: bank_schema;
Owner: postgres
--

SELECT pg_catalog.setval('bank_schema.depositor_depositor_id_seq', 14, true);


--
-- TOC entry 3129 (class 0 OID 0)
-- Dependencies: 213
-- Name: payment_payment_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
--

SELECT pg_catalog.setval('bank_schema.payment_payment_id_seq', 1, false);


--
-- TOC entry 3130 (class 0 OID 0)
-- Dependencies: 217
-- Name: position_position_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
--

SELECT pg_catalog.setval('bank_schema.position_position_id_seq', 1, false);


--
-- TOC entry 3131 (class 0 OID 0)
-- Dependencies: 201
-- Name: worker_worker_id_seq; Type: SEQUENCE SET; Schema: bank_schema; Owner:
postgres
--

SELECT pg_catalog.setval('bank_schema.worker_worker_id_seq', 1, false);


--
-- TOC entry 2939 (class 2606 OID 32993)
-- Name: credit_contract credit_contract_pkey; Type: CONSTRAINT; Schema:
bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit_contract
```

```
    ADD CONSTRAINT credit_contract_pkey PRIMARY KEY (credit_cont_id);


--
-- TOC entry 2943 (class 2606 OID 33010)
-- Name: credit credit_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit
    ADD CONSTRAINT credit_pkey PRIMARY KEY (credit_id);


--
-- TOC entry 2947 (class 2606 OID 33033)
-- Name: currency currency_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.currency
    ADD CONSTRAINT currency_pkey PRIMARY KEY (currency_id);


--
-- TOC entry 2937 (class 2606 OID 32983)
-- Name: deposit_contract deposit_contract_pkey; Type: CONSTRAINT; Schema:
bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit_contract
    ADD CONSTRAINT deposit_contract_pkey PRIMARY KEY (deposit_cont_id);


--
-- TOC entry 2941 (class 2606 OID 33002)
-- Name: deposit deposit_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.deposit
    ADD CONSTRAINT deposit_pkey PRIMARY KEY (deposit_id);


--
-- TOC entry 2935 (class 2606 OID 32943)
-- Name: depositor depositor_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.depositor
    ADD CONSTRAINT depositor_pkey PRIMARY KEY (depositor_id);
```

```
--
-- TOC entry 2906 (class 2606 OID 32949)
-- Name: depositor email; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT email CHECK (((email)::text ~ '^\S+@\S+$'::text)) NOT VALID;


--
-- TOC entry 2900 (class 2606 OID 32932)
-- Name: worker first_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.worker
    ADD CONSTRAINT first_name CHECK (((first_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;


--
-- TOC entry 2907 (class 2606 OID 32945)
-- Name: depositor first_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT first_name CHECK (((first_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;


--
-- TOC entry 2924 (class 2606 OID 33011)
-- Name: credit interest; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.credit
    ADD CONSTRAINT interest CHECK (((interest >= (0)::numeric) AND (interest <=
(1)::numeric))) NOT VALID;


--
-- TOC entry 2901 (class 2606 OID 32934)
-- Name: worker last_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.worker
    ADD CONSTRAINT last_name CHECK (((last_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;
```

```
--
-- TOC entry 2908 (class 2606 OID 32947)
-- Name: depositor last_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT last_name CHECK (((last_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;


--
-- TOC entry 2925 (class 2606 OID 33013)
-- Name: credit max_term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.credit
    ADD CONSTRAINT max_term CHECK (((max_term > min_term) AND (max_term > 0))) NOT
VALID;


--
-- TOC entry 2920 (class 2606 OID 33016)
-- Name: deposit max_term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.deposit
    ADD CONSTRAINT max_term CHECK (((max_term > min_term) AND (max_term > 0))) NOT
VALID;


--
-- TOC entry 2902 (class 2606 OID 32933)
-- Name: worker middle_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.worker
    ADD CONSTRAINT middle_name CHECK (((middle_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;


--
-- TOC entry 2909 (class 2606 OID 32946)
-- Name: depositor middle_name; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--
```

```
ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT middle_name CHECK (((middle_name)::text ~
'^[A-Z|a-z|А-Я|а-я|ё|Ё]+$'::text)) NOT VALID;


--
-- TOC entry 2926 (class 2606 OID 33012)
-- Name: credit min_term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.credit
    ADD CONSTRAINT min_term CHECK (((min_term < max_term) AND (min_term > 0))) NOT
VALID;


--
-- TOC entry 2921 (class 2606 OID 33015)
-- Name: deposit min_term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.deposit
    ADD CONSTRAINT min_term CHECK (((min_term < max_term) AND (min_term > 0))) NOT
VALID;


--
-- TOC entry 2903 (class 2606 OID 32935)
-- Name: worker passport_type; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.worker
    ADD CONSTRAINT passport_type CHECK (((passport_type)::text = ANY
(ARRAY['RU'::text, 'EU'::text, 'USA'::text, 'Other'::text, 'Processing'::text])))
NOT VALID;


--
-- TOC entry 2910 (class 2606 OID 32948)
-- Name: depositor passport_type; Type: CHECK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT passport_type CHECK (((passport_type)::text = ANY
(ARRAY['RU'::text, 'EU'::text, 'USA'::text, 'Other'::text, 'Processing'::text])))
NOT VALID;


--
```

```
-- TOC entry 2945 (class 2606 OID 33025)
-- Name: payment payment_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.payment
    ADD CONSTRAINT payment_pkey PRIMARY KEY (payment_id);


--
-- TOC entry 2904 (class 2606 OID 32931)
-- Name: worker phone_number; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE bank_schema.worker
    ADD CONSTRAINT phone_number CHECK (((phone_number)::text ~ '^([0-9\(\)\/\+
\-]*)$'::text)) NOT VALID;


--
-- TOC entry 2911 (class 2606 OID 32944)
-- Name: depositor phone_number; Type: CHECK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE bank_schema.depositor
    ADD CONSTRAINT phone_number CHECK (((phone_number)::text ~ '^([0-9\(\)\/\+
\-]*)$'::text)) NOT VALID;


--
-- TOC entry 2949 (class 2606 OID 33094)
-- Name: position position_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema."position"
    ADD CONSTRAINT position_pkey PRIMARY KEY (position_id);


--
-- TOC entry 2927 (class 2606 OID 33014)
-- Name: credit term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE bank_schema.credit
    ADD CONSTRAINT term CHECK ((term > 0)) NOT VALID;


--
-- TOC entry 2922 (class 2606 OID 33017)
```

```
-- Name: deposit term; Type: CHECK CONSTRAINT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE bank_schema.deposit
    ADD CONSTRAINT term CHECK ((term > 0)) NOT VALID;


--
-- TOC entry 2933 (class 2606 OID 32930)
-- Name: worker worker_pkey; Type: CONSTRAINT; Schema: bank_schema; Owner: postgres
--

ALTER TABLE ONLY bank_schema.worker
    ADD CONSTRAINT worker_pkey PRIMARY KEY (worker_id);


--
-- TOC entry 2959 (class 2606 OID 33107)
-- Name: payment credit_cont_id; Type: FK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.payment
    ADD CONSTRAINT credit_cont_id FOREIGN KEY (credit_cont_id) REFERENCES
bank_schema.credit_contract(credit_cont_id) NOT VALID;


--
-- TOC entry 2954 (class 2606 OID 33132)
-- Name: credit_contract credit_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit_contract
    ADD CONSTRAINT credit_id FOREIGN KEY (credit_id) REFERENCES
bank_schema.credit(credit_id) NOT VALID;


--
-- TOC entry 2957 (class 2606 OID 33127)
-- Name: deposit currency_id; Type: FK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.deposit
    ADD CONSTRAINT currency_id FOREIGN KEY (currency_id) REFERENCES
bank_schema.currency(currency_id) NOT VALID;


--
-- TOC entry 2958 (class 2606 OID 33147)
-- Name: credit currency_id; Type: FK CONSTRAINT; Schema: bank_schema; Owner:
```

```
postgres
--

ALTER TABLE ONLY bank_schema.credit
    ADD CONSTRAINT currency_id FOREIGN KEY (currency_id) REFERENCES
bank_schema.currency(currency_id) NOT VALID;


--
-- TOC entry 2951 (class 2606 OID 33112)
-- Name: deposit_contract deposit_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit_contract
    ADD CONSTRAINT deposit_id FOREIGN KEY (deposit_id) REFERENCES
bank_schema.deposit(deposit_id) NOT VALID;


--
-- TOC entry 2952 (class 2606 OID 33117)
-- Name: deposit_contract depositor_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit_contract
    ADD CONSTRAINT depositor_id FOREIGN KEY (depositor_id) REFERENCES
bank_schema.depositor(depositor_id) NOT VALID;


--
-- TOC entry 2955 (class 2606 OID 33137)
-- Name: credit_contract depositor_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit_contract
    ADD CONSTRAINT depositor_id FOREIGN KEY (depositor_id) REFERENCES
bank_schema.depositor(depositor_id) NOT VALID;


--
-- TOC entry 2950 (class 2606 OID 33102)
-- Name: worker position_id; Type: FK CONSTRAINT; Schema: bank_schema; Owner:
postgres
--

ALTER TABLE ONLY bank_schema.worker
    ADD CONSTRAINT position_id FOREIGN KEY (position_id) REFERENCES
bank_schema."position"(position_id) NOT VALID;
```

```
--
-- TOC entry 2953 (class 2606 OID 33122)
-- Name: deposit_contract worker_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.deposit_contract
    ADD CONSTRAINT worker_id FOREIGN KEY (worker_id) REFERENCES
bank_schema.worker(worker_id) NOT VALID;


--
-- TOC entry 2956 (class 2606 OID 33142)
-- Name: credit_contract worker_id; Type: FK CONSTRAINT; Schema: bank_schema;
Owner: postgres
--

ALTER TABLE ONLY bank_schema.credit_contract
    ADD CONSTRAINT worker_id FOREIGN KEY (worker_id) REFERENCES
bank_schema.worker(worker_id) NOT VALID;


-- Completed on 2021-06-11 10:32:00

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

4. Выводы

pgAdmin предоставляет удобный интерфейс для работы с postgres, дающий возможностью не прибегать к использованию SQL напрямую. По созданной базе данных можно автоматически сгенерировать ER диаграмму, однако связи придется перетаскивать вручную: они генерируются друг на друге, и не понятно какая связь куда идет.