

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ  
РОССИЙСКОЙ ФЕДЕРАЦИИ  
федеральное государственное автономное  
образовательное учреждение высшего образования  
«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО»

**ОТЧЕТ**

по лабораторной работе №2 «Создание таблиц базы данных PostgreSQL.  
Заполнение таблиц рабочими данными»

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г. Санкт-Петербург, 2023

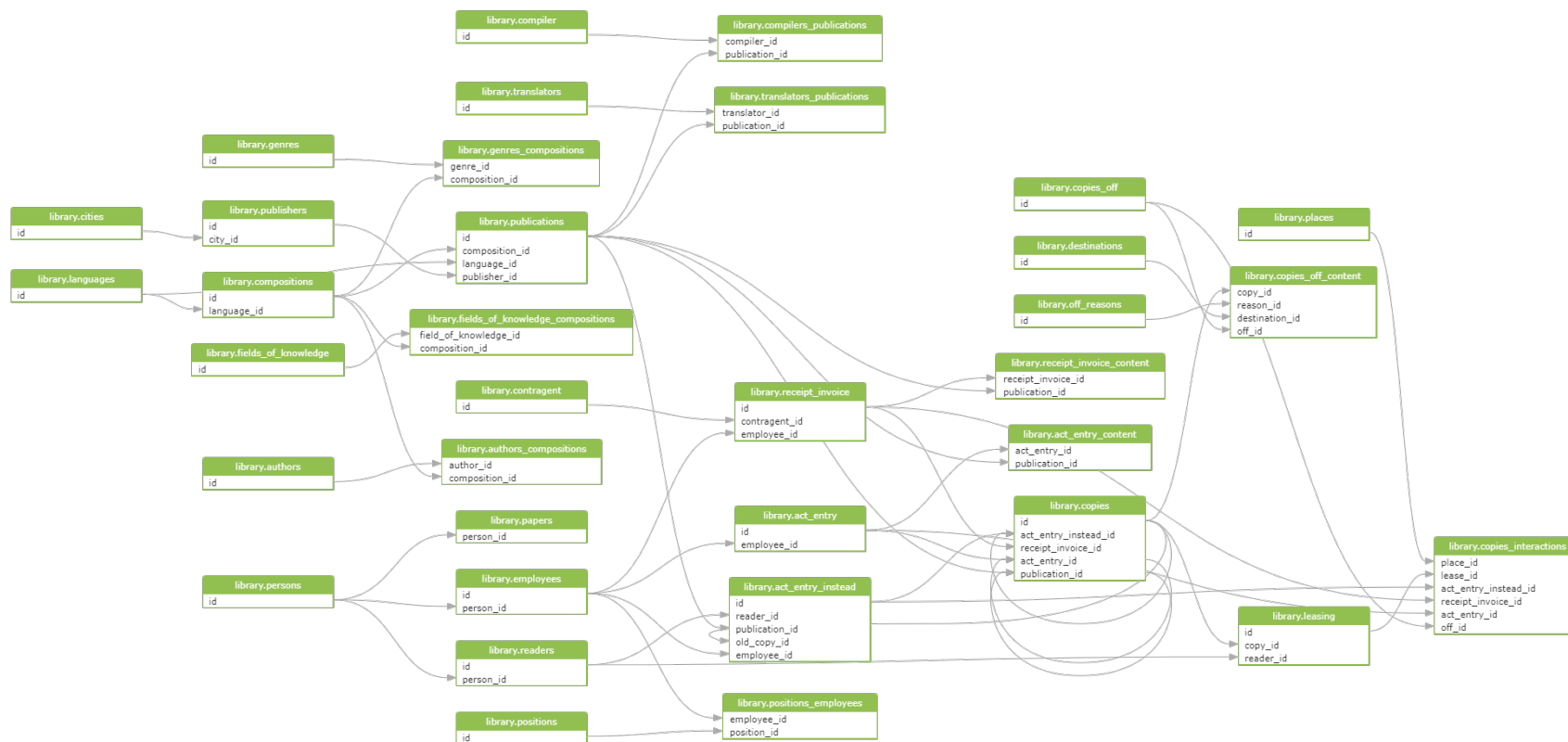
## **ВВЕДЕНИЕ**

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.

## ВЫПОЛНЕНИЕ



Дамп:

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

-- Dumped from database version 15.4
-- Dumped by pg_dump version 15.4

-- Started on 2023-10-23 09:58:16

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 16399)
-- Name: library; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA library;

ALTER SCHEMA library OWNER TO postgres;

--
-- TOC entry 285 (class 1255 OID 16965)
-- Name: create_copy_act_entry(); Type: FUNCTION; Schema: library; Owner:
postgres
--

CREATE FUNCTION library.create_copy_act_entry() RETURNS trigger
    LANGUAGE plpgsql
    AS $$ BEGIN
        FOR i in 1..NEW.Count LOOP
            INSERT INTO library.copies (act_entry_id, publication_id)
VALUES (NEW.act_entry_id, NEW.publication_id);
        END LOOP;
        RETURN NEW;
    END;
    $$;

ALTER FUNCTION library.create_copy_act_entry() OWNER TO postgres;

--
-- TOC entry 286 (class 1255 OID 16968)
-- Name: create_copy_act_entry_instead(); Type: FUNCTION; Schema:
library; Owner: postgres
```

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--

CREATE FUNCTION library.create_copy_act_entry_instead() RETURNS trigger
    LANGUAGE plpgsql
    AS $$
BEGIN
    INSERT INTO library.copies (act_entry_instead_id, publication_id)
VALUES (NEW.id, NEW.publication_id);
    RETURN NEW;
END;
$$;

ALTER FUNCTION library.create_copy_act_entry_instead() OWNER TO
postgres;

SET default_tablespace = '';

SET default_table_access_method = heap;

--
-- TOC entry 264 (class 1259 OID 16706)
-- Name: act_entry; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.act_entry (
    id bigint NOT NULL,
    date date NOT NULL,
    employee_id bigint NOT NULL
);

ALTER TABLE library.act_entry OWNER TO postgres;

--
-- TOC entry 266 (class 1259 OID 16718)
-- Name: act_entry_content; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.act_entry_content (
    id bigint NOT NULL,
    act_entry_id bigint NOT NULL,
    publication_id bigint NOT NULL,
    count bigint NOT NULL,
    amount bigint NOT NULL
);

ALTER TABLE library.act_entry_content OWNER TO postgres;

--
-- TOC entry 265 (class 1259 OID 16717)
-- Name: act_entry_content_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

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CREATE SEQUENCE library.act_entry_content_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.act_entry_content_id_seq OWNER TO postgres;

--
-- TOC entry 3650 (class 0 OID 0)
-- Dependencies: 265
-- Name: act_entry_content_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.act_entry_content_id_seq OWNED BY
library.act_entry_content.id;

--
-- TOC entry 263 (class 1259 OID 16705)
-- Name: act_entry_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.act_entry_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.act_entry_id_seq OWNER TO postgres;

--
-- TOC entry 3651 (class 0 OID 0)
-- Dependencies: 263
-- Name: act_entry_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.act_entry_id_seq OWNED BY library.act_entry.id;

--
-- TOC entry 268 (class 1259 OID 16735)
-- Name: act_entry_instead; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.act_entry_instead (
    id bigint NOT NULL,
    date date NOT NULL,
    reader_id bigint NOT NULL,

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        publication_id bigint NOT NULL,
        old_copy_id bigint NOT NULL,
        employee_id bigint NOT NULL
    );

ALTER TABLE library.act_entry_instead OWNER TO postgres;

--
-- TOC entry 267 (class 1259 OID 16734)
-- Name: act_entry_instead_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.act_entry_instead_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.act_entry_instead_id_seq OWNER TO postgres;

--
-- TOC entry 3652 (class 0 OID 0)
-- Dependencies: 267
-- Name: act_entry_instead_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.act_entry_instead_id_seq OWNED BY
library.act_entry_instead.id;

--
-- TOC entry 220 (class 1259 OID 16415)
-- Name: authors; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.authors (
    id bigint NOT NULL,
    full_name character varying(100) NOT NULL
);

ALTER TABLE library.authors OWNER TO postgres;

--
-- TOC entry 230 (class 1259 OID 16484)
-- Name: authors_compositions; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.authors_compositions (
    id bigint NOT NULL,

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        author_id bigint NOT NULL,
        composition_id bigint NOT NULL
    );

ALTER TABLE library.authors_compositions OWNER TO postgres;

--
-- TOC entry 229 (class 1259 OID 16483)
-- Name: authors_compositions_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.authors_compositions_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.authors_compositions_id_seq OWNER TO postgres;

--
-- TOC entry 3653 (class 0 OID 0)
-- Dependencies: 229
-- Name: authors_compositions_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.authors_compositions_id_seq OWNED BY
library.authors_compositions.id;

--
-- TOC entry 219 (class 1259 OID 16414)
-- Name: authors_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.authors_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.authors_id_seq OWNER TO postgres;

--
-- TOC entry 3654 (class 0 OID 0)
-- Dependencies: 219
-- Name: authors_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

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ALTER SEQUENCE library.authors_id_seq OWNED BY library.authors.id;

--
-- TOC entry 232 (class 1259 OID 16501)
-- Name: cities; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.cities (
    id bigint NOT NULL,
    title character varying(50) NOT NULL
);

ALTER TABLE library.cities OWNER TO postgres;

--
-- TOC entry 231 (class 1259 OID 16500)
-- Name: cities_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.cities_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.cities_id_seq OWNER TO postgres;

--
-- TOC entry 3655 (class 0 OID 0)
-- Dependencies: 231
-- Name: cities_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.cities_id_seq OWNED BY library.cities.id;

--
-- TOC entry 242 (class 1259 OID 16573)
-- Name: compiler; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.compiler (
    id bigint NOT NULL,
    full_name character varying(100) NOT NULL
);

ALTER TABLE library.compiler OWNER TO postgres;

--
-- TOC entry 241 (class 1259 OID 16572)

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-- Name: compiler_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.compiler_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.compiler_id_seq OWNER TO postgres;

--
-- TOC entry 3656 (class 0 OID 0)
-- Dependencies: 241
-- Name: compiler_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.compiler_id_seq OWNED BY library.compiler.id;

--
-- TOC entry 244 (class 1259 OID 16580)
-- Name: compilers_publications; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.compilers_publications (
    id bigint NOT NULL,
    compiler_id bigint NOT NULL,
    publication_id bigint NOT NULL
);

ALTER TABLE library.compilers_publications OWNER TO postgres;

--
-- TOC entry 243 (class 1259 OID 16579)
-- Name: compilers_publications_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.compilers_publications_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.compilers_publications_id_seq OWNER TO postgres;

--

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-- TOC entry 3657 (class 0 OID 0)
-- Dependencies: 243
-- Name: compilers_publications_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.compilers_publications_id_seq OWNED BY
library.compilers_publications.id;

--
-- TOC entry 224 (class 1259 OID 16429)
-- Name: compositions; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.compositions (
    id bigint NOT NULL,
    title character varying(100) NOT NULL,
    volume character varying(20),
    description character varying(500),
    language_id bigint NOT NULL
);

ALTER TABLE library.compositions OWNER TO postgres;

--
-- TOC entry 223 (class 1259 OID 16428)
-- Name: compositions_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.compositions_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.compositions_id_seq OWNER TO postgres;

--
-- TOC entry 3658 (class 0 OID 0)
-- Dependencies: 223
-- Name: compositions_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.compositions_id_seq OWNED BY
library.compositions.id;

--
-- TOC entry 246 (class 1259 OID 16597)
-- Name: contragent; Type: TABLE; Schema: library; Owner: postgres

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--

CREATE TABLE library.contragent (
    id bigint NOT NULL,
    title character varying(100) NOT NULL
);

ALTER TABLE library.contragent OWNER TO postgres;

--
-- TOC entry 245 (class 1259 OID 16596)
-- Name: contragent_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.contragent_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.contragent_id_seq OWNER TO postgres;

--
-- TOC entry 3659 (class 0 OID 0)
-- Dependencies: 245
-- Name: contragent_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.contragent_id_seq OWNED BY library.contragent.id;

--
-- TOC entry 270 (class 1259 OID 16757)
-- Name: copies; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.copies (
    id bigint NOT NULL,
    act_entry_instead_id bigint,
    receipt_invoice_id bigint,
    act_entry_id bigint,
    publication_id bigint NOT NULL
);

ALTER TABLE library.copies OWNER TO postgres;

--
-- TOC entry 269 (class 1259 OID 16756)
-- Name: copies_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

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```

CREATE SEQUENCE library.copies_id_seq
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;

ALTER TABLE library.copies_id_seq OWNER TO postgres;

--
-- TOC entry 3660 (class 0 OID 0)
-- Dependencies: 269
-- Name: copies_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.copies_id_seq OWNED BY library.copies.id;

--
-- TOC entry 284 (class 1259 OID 16856)
-- Name: copies_interactions; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.copies_interactions (
  id bigint NOT NULL,
  date date NOT NULL,
  place_id bigint,
  lease_id bigint,
  act_entry_instead_id bigint,
  receipt_invoice_id bigint,
  act_entry_id bigint,
  off_id bigint
);

ALTER TABLE library.copies_interactions OWNER TO postgres;

--
-- TOC entry 283 (class 1259 OID 16855)
-- Name: copies_interactions_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.copies_interactions_id_seq
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;

ALTER TABLE library.copies_interactions_id_seq OWNER TO postgres;

```

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--
-- TOC entry 3661 (class 0 OID 0)
-- Dependencies: 283
-- Name: copies_interactions_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.copies_interactions_id_seq OWNED BY
library.copies_interactions.id;

--
-- TOC entry 278 (class 1259 OID 16805)
-- Name: copies_off; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.copies_off (
    id bigint NOT NULL,
    date date NOT NULL,
    employee_id bigint NOT NULL
);

ALTER TABLE library.copies_off OWNER TO postgres;

--
-- TOC entry 280 (class 1259 OID 16812)
-- Name: copies_off_content; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.copies_off_content (
    id bigint NOT NULL,
    copy_id bigint NOT NULL,
    reason_id bigint NOT NULL,
    destination_id bigint NOT NULL,
    off_id bigint NOT NULL
);

ALTER TABLE library.copies_off_content OWNER TO postgres;

--
-- TOC entry 279 (class 1259 OID 16811)
-- Name: copies_off_content_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.copies_off_content_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

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```

ALTER TABLE library.copies_off_content_id_seq OWNER TO postgres;

--
-- TOC entry 3662 (class 0 OID 0)
-- Dependencies: 279
-- Name: copies_off_content_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.copies_off_content_id_seq OWNED BY
library.copies_off_content.id;

--
-- TOC entry 277 (class 1259 OID 16804)
-- Name: copies_off_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.copies_off_id_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE library.copies_off_id_seq OWNER TO postgres;

--
-- TOC entry 3663 (class 0 OID 0)
-- Dependencies: 277
-- Name: copies_off_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.copies_off_id_seq OWNED BY library.copies_off.id;

--
-- TOC entry 276 (class 1259 OID 16798)
-- Name: destinations; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.destinations (
    id bigint NOT NULL,
    title character varying(100) NOT NULL
);

ALTER TABLE library.destinations OWNER TO postgres;

--
-- TOC entry 275 (class 1259 OID 16797)

```

```

-- Name: destinations_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.destinations_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.destinations_id_seq OWNER TO postgres;

--
-- TOC entry 3664 (class 0 OID 0)
-- Dependencies: 275
-- Name: destinations_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.destinations_id_seq OWNED BY
library.destinations.id;

--
-- TOC entry 254 (class 1259 OID 16631)
-- Name: employees; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.employees (
    id bigint NOT NULL,
    person_id bigint NOT NULL
);

ALTER TABLE library.employees OWNER TO postgres;

--
-- TOC entry 253 (class 1259 OID 16630)
-- Name: employees_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.employees_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.employees_id_seq OWNER TO postgres;

--
-- TOC entry 3665 (class 0 OID 0)

```



```

-- Dependencies: 253
-- Name: employees_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.employees_id_seq OWNED BY library.employees.id;

--
-- TOC entry 216 (class 1259 OID 16401)
-- Name: fields_of_knowledge; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.fields_of_knowledge (
    id bigint NOT NULL,
    title character varying(30) NOT NULL
);

ALTER TABLE library.fields_of_knowledge OWNER TO postgres;

--
-- TOC entry 226 (class 1259 OID 16443)
-- Name: fields_of_knowledge_compositions; Type: TABLE; Schema: library;
Owner: postgres
--

CREATE TABLE library.fields_of_knowledge_compositions (
    id bigint NOT NULL,
    field_of_knowledge_id bigint NOT NULL,
    composition_id bigint NOT NULL,
    is_primary boolean
);

ALTER TABLE library.fields_of_knowledge_compositions OWNER TO postgres;

--
-- TOC entry 225 (class 1259 OID 16442)
-- Name: fields_of_knowledge_compositions_id_seq; Type: SEQUENCE;
Schema: library; Owner: postgres
--

CREATE SEQUENCE library.fields_of_knowledge_compositions_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.fields_of_knowledge_compositions_id_seq OWNER TO
postgres;

--

```

```

-- TOC entry 3666 (class 0 OID 0)
-- Dependencies: 225
-- Name: fields_of_knowledge_compositions_id_seq; Type: SEQUENCE OWNED
BY; Schema: library; Owner: postgres
--

ALTER SEQUENCE library.fields_of_knowledge_compositions_id_seq OWNED BY
library.fields_of_knowledge_compositions.id;

--
-- TOC entry 215 (class 1259 OID 16400)
-- Name: fields_of_knowledge_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.fields_of_knowledge_id_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE library.fields_of_knowledge_id_seq OWNER TO postgres;

--
-- TOC entry 3667 (class 0 OID 0)
-- Dependencies: 215
-- Name: fields_of_knowledge_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.fields_of_knowledge_id_seq OWNED BY
library.fields_of_knowledge.id;

--
-- TOC entry 218 (class 1259 OID 16408)
-- Name: genres; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.genres (
    id bigint NOT NULL,
    title character varying(30) NOT NULL
);

ALTER TABLE library.genres OWNER TO postgres;

--
-- TOC entry 228 (class 1259 OID 16467)
-- Name: genres_compositions; Type: TABLE; Schema: library; Owner:
postgres
--

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```

CREATE TABLE library.genres_compositions (
    id bigint NOT NULL,
    genre_id bigint NOT NULL,
    composition_id bigint NOT NULL,
    is_primary boolean
);

ALTER TABLE library.genres_compositions OWNER TO postgres;

--
-- TOC entry 227 (class 1259 OID 16466)
-- Name: genres_compositions_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.genres_compositions_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.genres_compositions_id_seq OWNER TO postgres;

--
-- TOC entry 3668 (class 0 OID 0)
-- Dependencies: 227
-- Name: genres_compositions_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.genres_compositions_id_seq OWNED BY
library.genres_compositions.id;

--
-- TOC entry 217 (class 1259 OID 16407)
-- Name: genres_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.genres_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.genres_id_seq OWNER TO postgres;

--
-- TOC entry 3669 (class 0 OID 0)
-- Dependencies: 217

```

```

-- Name: genres_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.genres_id_seq OWNED BY library.genres.id;

--
-- TOC entry 222 (class 1259 OID 16422)
-- Name: languages; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.languages (
    id bigint NOT NULL,
    title character varying(20) NOT NULL
);

ALTER TABLE library.languages OWNER TO postgres;

--
-- TOC entry 221 (class 1259 OID 16421)
-- Name: languages_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.languages_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.languages_id_seq OWNER TO postgres;

--
-- TOC entry 3670 (class 0 OID 0)
-- Dependencies: 221
-- Name: languages_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.languages_id_seq OWNED BY library.languages.id;

--
-- TOC entry 282 (class 1259 OID 16839)
-- Name: leasing; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.leasing (
    id bigint NOT NULL,
    copy_id bigint NOT NULL,
    reader_id bigint NOT NULL,
    start_date date NOT NULL,

```

```

        finish_date_plan date NOT NULL,
        finish_date_fact date,
        fine bigint
    );

ALTER TABLE library.leasing OWNER TO postgres;

--
-- TOC entry 281 (class 1259 OID 16838)
-- Name: leasing_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.leasing_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.leasing_id_seq OWNER TO postgres;

--
-- TOC entry 3671 (class 0 OID 0)
-- Dependencies: 281
-- Name: leasing_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.leasing_id_seq OWNED BY library.leasing.id;

--
-- TOC entry 274 (class 1259 OID 16791)
-- Name: off_reasons; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.off_reasons (
    id bigint NOT NULL,
    title character varying(100) NOT NULL
);

ALTER TABLE library.off_reasons OWNER TO postgres;

--
-- TOC entry 273 (class 1259 OID 16790)
-- Name: off_reasons_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.off_reasons_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE

```

```

        NO MAXVALUE
        CACHE 1;

ALTER TABLE library.off_reasons_id_seq OWNER TO postgres;

--
-- TOC entry 3672 (class 0 OID 0)
-- Dependencies: 273
-- Name: off_reasons_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

        ALTER          SEQUENCE          library.off_reasons_id_seq          OWNED          BY
library.off_reasons.id;

--
-- TOC entry 252 (class 1259 OID 16619)
-- Name: papers; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.papers (
    id bigint NOT NULL,
    person_id bigint NOT NULL,
    series character varying(20),
    number character varying(20) NOT NULL,
    issuer character varying(100),
    issue_date date
);

ALTER TABLE library.papers OWNER TO postgres;

--
-- TOC entry 251 (class 1259 OID 16618)
-- Name: papers_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.papers_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.papers_id_seq OWNER TO postgres;

--
-- TOC entry 3673 (class 0 OID 0)
-- Dependencies: 251
-- Name: papers_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

```

```

ALTER SEQUENCE library.papers_id_seq OWNED BY library.papers.id;

--
-- TOC entry 250 (class 1259 OID 16611)
-- Name: persons; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.persons (
    id bigint NOT NULL,
    full_name character varying(100) NOT NULL,
    email character varying(150),
    phone character varying(20) NOT NULL,
    address character varying(200)
);

ALTER TABLE library.persons OWNER TO postgres;

--
-- TOC entry 249 (class 1259 OID 16610)
-- Name: persons_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.persons_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.persons_id_seq OWNER TO postgres;

--
-- TOC entry 3674 (class 0 OID 0)
-- Dependencies: 249
-- Name: persons_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.persons_id_seq OWNED BY library.persons.id;

--
-- TOC entry 272 (class 1259 OID 16784)
-- Name: places; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.places (
    id bigint NOT NULL,
    cipher character varying(20) NOT NULL
);

ALTER TABLE library.places OWNER TO postgres;

```

```

--
-- TOC entry 271 (class 1259 OID 16783)
-- Name: places_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.places_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.places_id_seq OWNER TO postgres;

--
-- TOC entry 3675 (class 0 OID 0)
-- Dependencies: 271
-- Name: places_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.places_id_seq OWNED BY library.places.id;

--
-- TOC entry 248 (class 1259 OID 16604)
-- Name: positions; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.positions (
    id bigint NOT NULL,
    title character varying(100) NOT NULL
);

ALTER TABLE library.positions OWNER TO postgres;

--
-- TOC entry 256 (class 1259 OID 16643)
-- Name: positions_employees; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.positions_employees (
    id bigint NOT NULL,
    employee_id bigint NOT NULL,
    position_id bigint NOT NULL,
    date_start date NOT NULL,
    date_end date
);

ALTER TABLE library.positions_employees OWNER TO postgres;

```



```

--
-- TOC entry 255 (class 1259 OID 16642)
-- Name: positions_employees_id_seq; Type: SEQUENCE; Schema: library;
Owner: postgres
--

CREATE SEQUENCE library.positions_employees_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.positions_employees_id_seq OWNER TO postgres;

--
-- TOC entry 3676 (class 0 OID 0)
-- Dependencies: 255
-- Name: positions_employees_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.positions_employees_id_seq OWNED BY
library.positions_employees.id;

--
-- TOC entry 247 (class 1259 OID 16603)
-- Name: positions_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.positions_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.positions_id_seq OWNER TO postgres;

--
-- TOC entry 3677 (class 0 OID 0)
-- Dependencies: 247
-- Name: positions_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.positions_id_seq OWNED BY library.positions.id;

--
-- TOC entry 236 (class 1259 OID 16527)
-- Name: publications; Type: TABLE; Schema: library; Owner: postgres

```

```

--

CREATE TABLE library.publications (
    id bigint NOT NULL,
    composition_id bigint NOT NULL,
    language_id bigint NOT NULL,
    year integer NOT NULL,
    publisher_id bigint NOT NULL
);

ALTER TABLE library.publications OWNER TO postgres;

--
-- TOC entry 235 (class 1259 OID 16526)
-- Name: publications_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.publications_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.publications_id_seq OWNER TO postgres;

--
-- TOC entry 3678 (class 0 OID 0)
-- Dependencies: 235
-- Name: publications_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.publications_id_seq OWNED BY
library.publications.id;

--
-- TOC entry 234 (class 1259 OID 16508)
-- Name: publishers; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.publishers (
    id bigint NOT NULL,
    city_id bigint,
    title character varying(20) NOT NULL
);

ALTER TABLE library.publishers OWNER TO postgres;

--
-- TOC entry 233 (class 1259 OID 16507)

```

```

-- Name: publishers_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.publishers_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.publishers_id_seq OWNER TO postgres;

--
-- TOC entry 3679 (class 0 OID 0)
-- Dependencies: 233
-- Name: publishers_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

ALTER SEQUENCE library.publishers_id_seq OWNED BY library.publishers.id;

--
-- TOC entry 258 (class 1259 OID 16660)
-- Name: readers; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.readers (
    id bigint NOT NULL,
    person_id bigint NOT NULL
);

ALTER TABLE library.readers OWNER TO postgres;

--
-- TOC entry 257 (class 1259 OID 16659)
-- Name: readers_id_seq; Type: SEQUENCE; Schema: library; Owner: postgres
--

CREATE SEQUENCE library.readers_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.readers_id_seq OWNER TO postgres;

--
-- TOC entry 3680 (class 0 OID 0)
-- Dependencies: 257

```

```

-- Name: readers_id_seq; Type: SEQUENCE OWNED BY; Schema: library; Owner:
postgres
--

ALTER SEQUENCE library.readers_id_seq OWNED BY library.readers.id;

--
-- TOC entry 260 (class 1259 OID 16672)
-- Name: receipt_invoice; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.receipt_invoice (
    id bigint NOT NULL,
    date date NOT NULL,
    contragent_id bigint,
    employee_id bigint
);

ALTER TABLE library.receipt_invoice OWNER TO postgres;

--
-- TOC entry 262 (class 1259 OID 16689)
-- Name: receipt_invoice_content; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.receipt_invoice_content (
    id bigint NOT NULL,
    receipt_invoice_id bigint NOT NULL,
    publication_id bigint NOT NULL,
    count bigint NOT NULL,
    amount bigint NOT NULL
);

ALTER TABLE library.receipt_invoice_content OWNER TO postgres;

--
-- TOC entry 261 (class 1259 OID 16688)
-- Name: receipt_invoice_content_id_seq; Type: SEQUENCE; Schema:
library; Owner: postgres
--

CREATE SEQUENCE library.receipt_invoice_content_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.receipt_invoice_content_id_seq OWNER TO postgres;

--

```

```

-- TOC entry 3681 (class 0 OID 0)
-- Dependencies: 261
-- Name: receipt_invoice_content_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.receipt_invoice_content_id_seq OWNED BY
library.receipt_invoice_content.id;

--
-- TOC entry 259 (class 1259 OID 16671)
-- Name: receipt_invoice_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

CREATE SEQUENCE library.receipt_invoice_id_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE library.receipt_invoice_id_seq OWNER TO postgres;

--
-- TOC entry 3682 (class 0 OID 0)
-- Dependencies: 259
-- Name: receipt_invoice_id_seq; Type: SEQUENCE OWNED BY; Schema:
library; Owner: postgres
--

ALTER SEQUENCE library.receipt_invoice_id_seq OWNED BY
library.receipt_invoice.id;

--
-- TOC entry 238 (class 1259 OID 16549)
-- Name: translators; Type: TABLE; Schema: library; Owner: postgres
--

CREATE TABLE library.translators (
id bigint NOT NULL,
full_name character varying(100)
);

ALTER TABLE library.translators OWNER TO postgres;

--
-- TOC entry 237 (class 1259 OID 16548)
-- Name: translators_id_seq; Type: SEQUENCE; Schema: library; Owner:
postgres
--

```

```

CREATE SEQUENCE library.translators_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.translators_id_seq OWNER TO postgres;

--
-- TOC entry 3683 (class 0 OID 0)
-- Dependencies: 237
-- Name: translators_id_seq; Type: SEQUENCE OWNED BY; Schema: library;
Owner: postgres
--

        ALTER          SEQUENCE          library.translators_id_seq          OWNED          BY
library.translators.id;

--
-- TOC entry 240 (class 1259 OID 16556)
-- Name: translators_publications; Type: TABLE; Schema: library; Owner:
postgres
--

CREATE TABLE library.translators_publications (
    id bigint NOT NULL,
    translator_id bigint NOT NULL,
    publication_id bigint NOT NULL
);

ALTER TABLE library.translators_publications OWNER TO postgres;

--
-- TOC entry 239 (class 1259 OID 16555)
-- Name: translators_publications_id_seq; Type: SEQUENCE; Schema:
library; Owner: postgres
--

CREATE SEQUENCE library.translators_publications_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE library.translators_publications_id_seq OWNER TO postgres;

--
-- TOC entry 3684 (class 0 OID 0)
-- Dependencies: 239

```

```

-- Name: translators_publications_id_seq; Type: SEQUENCE OWNED BY;
Schema: library; Owner: postgres
--

ALTER SEQUENCE library.translators_publications_id_seq OWNED BY
library.translators_publications.id;

--
-- TOC entry 3370 (class 2604 OID 16709)
-- Name: act_entry id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry ALTER COLUMN id SET DEFAULT
nextval('library.act_entry_id_seq'::regclass);

--
-- TOC entry 3371 (class 2604 OID 16721)
-- Name: act_entry_content id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.act_entry_content ALTER COLUMN id SET DEFAULT
nextval('library.act_entry_content_id_seq'::regclass);

--
-- TOC entry 3372 (class 2604 OID 16738)
-- Name: act_entry_instead id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.act_entry_instead ALTER COLUMN id SET DEFAULT
nextval('library.act_entry_instead_id_seq'::regclass);

--
-- TOC entry 3348 (class 2604 OID 16418)
-- Name: authors id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.authors ALTER COLUMN id SET DEFAULT
nextval('library.authors_id_seq'::regclass);

--
-- TOC entry 3353 (class 2604 OID 16487)
-- Name: authors_compositions id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.authors_compositions ALTER COLUMN id SET DEFAULT
nextval('library.authors_compositions_id_seq'::regclass);

```

```

--
-- TOC entry 3354 (class 2604 OID 16504)
-- Name: cities id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.cities ALTER COLUMN id SET DEFAULT
nextval('library.cities_id_seq'::regclass);

--
-- TOC entry 3359 (class 2604 OID 16576)
-- Name: compiler id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.compiler ALTER COLUMN id SET DEFAULT
nextval('library.compiler_id_seq'::regclass);

--
-- TOC entry 3360 (class 2604 OID 16583)
-- Name: compilers_publications id; Type: DEFAULT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.compilers_publications ALTER COLUMN id SET
DEFAULT nextval('library.compilers_publications_id_seq'::regclass);

--
-- TOC entry 3350 (class 2604 OID 16432)
-- Name: compositions id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.compositions ALTER COLUMN id SET DEFAULT
nextval('library.compositions_id_seq'::regclass);

--
-- TOC entry 3361 (class 2604 OID 16600)
-- Name: contragent id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.contragent ALTER COLUMN id SET DEFAULT
nextval('library.contragent_id_seq'::regclass);

--
-- TOC entry 3373 (class 2604 OID 16760)
-- Name: copies id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies ALTER COLUMN id SET DEFAULT
nextval('library.copies_id_seq'::regclass);

--

```



```

-- TOC entry 3380 (class 2604 OID 16859)
-- Name: copies_interactions id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.copies_interactions ALTER COLUMN id SET DEFAULT
nextval('library.copies_interactions_id_seq'::regclass);

--
-- TOC entry 3377 (class 2604 OID 16808)
-- Name: copies_off id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off ALTER COLUMN id SET DEFAULT
nextval('library.copies_off_id_seq'::regclass);

--
-- TOC entry 3378 (class 2604 OID 16815)
-- Name: copies_off_content id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.copies_off_content ALTER COLUMN id SET DEFAULT
nextval('library.copies_off_content_id_seq'::regclass);

--
-- TOC entry 3376 (class 2604 OID 16801)
-- Name: destinations id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.destinations ALTER COLUMN id SET DEFAULT
nextval('library.destinations_id_seq'::regclass);

--
-- TOC entry 3365 (class 2604 OID 16634)
-- Name: employees id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.employees ALTER COLUMN id SET DEFAULT
nextval('library.employees_id_seq'::regclass);

--
-- TOC entry 3346 (class 2604 OID 16404)
-- Name: fields_of_knowledge id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.fields_of_knowledge ALTER COLUMN id SET DEFAULT
nextval('library.fields_of_knowledge_id_seq'::regclass);

```

```

--
-- TOC entry 3351 (class 2604 OID 16446)
-- Name: fields_of_knowledge_compositions id; Type: DEFAULT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.fields_of_knowledge_compositions ALTER COLUMN
id SET DEFAULT
nextval('library.fields_of_knowledge_compositions_id_seq'::regclass);

--
-- TOC entry 3347 (class 2604 OID 16411)
-- Name: genres id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.genres ALTER COLUMN id SET DEFAULT
nextval('library.genres_id_seq'::regclass);

--
-- TOC entry 3352 (class 2604 OID 16470)
-- Name: genres_compositions id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.genres_compositions ALTER COLUMN id SET DEFAULT
nextval('library.genres_compositions_id_seq'::regclass);

--
-- TOC entry 3349 (class 2604 OID 16425)
-- Name: languages id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.languages ALTER COLUMN id SET DEFAULT
nextval('library.languages_id_seq'::regclass);

--
-- TOC entry 3379 (class 2604 OID 16842)
-- Name: leasing id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.leasing ALTER COLUMN id SET DEFAULT
nextval('library.leasing_id_seq'::regclass);

--
-- TOC entry 3375 (class 2604 OID 16794)
-- Name: off_reasons id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.off_reasons ALTER COLUMN id SET DEFAULT
nextval('library.off_reasons_id_seq'::regclass);

```

```

--
-- TOC entry 3364 (class 2604 OID 16622)
-- Name: papers id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.papers ALTER COLUMN id SET DEFAULT
nextval('library.papers_id_seq'::regclass);

--
-- TOC entry 3363 (class 2604 OID 16614)
-- Name: persons id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.persons ALTER COLUMN id SET DEFAULT
nextval('library.persons_id_seq'::regclass);

--
-- TOC entry 3374 (class 2604 OID 16787)
-- Name: places id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.places ALTER COLUMN id SET DEFAULT
nextval('library.places_id_seq'::regclass);

--
-- TOC entry 3362 (class 2604 OID 16607)
-- Name: positions id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.positions ALTER COLUMN id SET DEFAULT
nextval('library.positions_id_seq'::regclass);

--
-- TOC entry 3366 (class 2604 OID 16646)
-- Name: positions_employees id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.positions_employees ALTER COLUMN id SET DEFAULT
nextval('library.positions_employees_id_seq'::regclass);

--
-- TOC entry 3356 (class 2604 OID 16530)
-- Name: publications id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.publications ALTER COLUMN id SET DEFAULT
nextval('library.publications_id_seq'::regclass);

```

```

--
-- TOC entry 3355 (class 2604 OID 16511)
-- Name: publishers id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.publishers ALTER COLUMN id SET DEFAULT
nextval('library.publishers_id_seq'::regclass);

--
-- TOC entry 3367 (class 2604 OID 16663)
-- Name: readers id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.readers ALTER COLUMN id SET DEFAULT
nextval('library.readers_id_seq'::regclass);

--
-- TOC entry 3368 (class 2604 OID 16675)
-- Name: receipt_invoice id; Type: DEFAULT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.receipt_invoice ALTER COLUMN id SET DEFAULT
nextval('library.receipt_invoice_id_seq'::regclass);

--
-- TOC entry 3369 (class 2604 OID 16692)
-- Name: receipt_invoice_content id; Type: DEFAULT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice_content ALTER COLUMN id SET
DEFAULT nextval('library.receipt_invoice_content_id_seq'::regclass);

--
-- TOC entry 3357 (class 2604 OID 16552)
-- Name: translators id; Type: DEFAULT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.translators ALTER COLUMN id SET DEFAULT
nextval('library.translators_id_seq'::regclass);

--
-- TOC entry 3358 (class 2604 OID 16559)
-- Name: translators_publications id; Type: DEFAULT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.translators_publications ALTER COLUMN id SET
DEFAULT nextval('library.translators_publications_id_seq'::regclass);

```

```

--
-- TOC entry 3381 (class 2606 OID 16930)
-- Name: act_entry_content act_entry_content_check; Type: CHECK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE library.act_entry_content
    ADD CONSTRAINT act_entry_content_check CHECK (((count > 0) AND
(amount > 0))) NOT VALID;

--
-- TOC entry 3435 (class 2606 OID 16723)
-- Name: act_entry_content act_entry_content_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_content
    ADD CONSTRAINT act_entry_content_pkey PRIMARY KEY (id);

--
-- TOC entry 3437 (class 2606 OID 16740)
-- Name: act_entry_instead act_entry_instead_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_instead
    ADD CONSTRAINT act_entry_instead_pkey PRIMARY KEY (id);

--
-- TOC entry 3433 (class 2606 OID 16711)
-- Name: act_entry act_entry_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.act_entry
    ADD CONSTRAINT act_entry_pkey PRIMARY KEY (id);

--
-- TOC entry 3399 (class 2606 OID 16489)
-- Name: authors_compositions authors_compositions_pkey; Type:
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.authors_compositions
    ADD CONSTRAINT authors_compositions_pkey PRIMARY KEY (id);

--
-- TOC entry 3389 (class 2606 OID 16420)
-- Name: authors authors_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres

```

```

--

ALTER TABLE ONLY library.authors
    ADD CONSTRAINT authors_pkey PRIMARY KEY (id);

--
-- TOC entry 3401 (class 2606 OID 16506)
-- Name: cities cities_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.cities
    ADD CONSTRAINT cities_pkey PRIMARY KEY (id);

--
-- TOC entry 3411 (class 2606 OID 16578)
-- Name: compiler compiler_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.compiler
    ADD CONSTRAINT compiler_pkey PRIMARY KEY (id);

--
-- TOC entry 3413 (class 2606 OID 16585)
-- Name: compilers_publications compilers_publications_pkey; Type:
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.compilers_publications
    ADD CONSTRAINT compilers_publications_pkey PRIMARY KEY (id);

--
-- TOC entry 3393 (class 2606 OID 16436)
-- Name: compositions compositions_pkey; Type: CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.compositions
    ADD CONSTRAINT compositions_pkey PRIMARY KEY (id);

--
-- TOC entry 3415 (class 2606 OID 16602)
-- Name: contragent contragent_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.contragent
    ADD CONSTRAINT contragent_pkey PRIMARY KEY (id);

```

```

--
-- TOC entry 3453 (class 2606 OID 16861)
-- Name: copies_interactions copies_interactions_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_pkey PRIMARY KEY (id);

--
-- TOC entry 3449 (class 2606 OID 16817)
-- Name: copies_off_content copies_off_content_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off_content
    ADD CONSTRAINT copies_off_content_pkey PRIMARY KEY (id);

--
-- TOC entry 3447 (class 2606 OID 16810)
-- Name: copies_off copies_off_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.copies_off
    ADD CONSTRAINT copies_off_pkey PRIMARY KEY (id);

--
-- TOC entry 3439 (class 2606 OID 16762)
-- Name: copies copies_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.copies
    ADD CONSTRAINT copies_pkey PRIMARY KEY (id);

--
-- TOC entry 3445 (class 2606 OID 16803)
-- Name: destinations destinations_pkey; Type: CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.destinations
    ADD CONSTRAINT destinations_pkey PRIMARY KEY (id);

--
-- TOC entry 3423 (class 2606 OID 16636)
-- Name: employees employees_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

```

```

ALTER TABLE ONLY library.employees
    ADD CONSTRAINT employees_pkey PRIMARY KEY (id);

--
-- TOC entry 3395 (class 2606 OID 16448)
--          Name: fields_of_knowledge_compositions
fields_of_knowledge_compositions_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.fields_of_knowledge_compositions
    ADD CONSTRAINT fields_of_knowledge_compositions_pkey PRIMARY KEY
(id);

--
-- TOC entry 3385 (class 2606 OID 16406)
-- Name: fields_of_knowledge fields_of_knowledge_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.fields_of_knowledge
    ADD CONSTRAINT fields_of_knowledge_pkey PRIMARY KEY (id);

--
-- TOC entry 3397 (class 2606 OID 16472)
-- Name: genres_compositions genres_compositions_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.genres_compositions
    ADD CONSTRAINT genres_compositions_pkey PRIMARY KEY (id);

--
-- TOC entry 3387 (class 2606 OID 16413)
-- Name: genres genres_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.genres
    ADD CONSTRAINT genres_pkey PRIMARY KEY (id);

--
-- TOC entry 3391 (class 2606 OID 16427)
-- Name: languages languages_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.languages
    ADD CONSTRAINT languages_pkey PRIMARY KEY (id);

```



```

--
-- TOC entry 3382 (class 2606 OID 16931)
-- Name: leasing leasing_check; Type: CHECK CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE library.leasing
    ADD CONSTRAINT leasing_check CHECK ((start_date < finish_date_plan))
NOT VALID;

--
-- TOC entry 3383 (class 2606 OID 16932)
-- Name: leasing leasing_fine_check; Type: CHECK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE library.leasing
    ADD CONSTRAINT leasing_fine_check CHECK ((fine >= 0)) NOT VALID;

--
-- TOC entry 3451 (class 2606 OID 16844)
-- Name: leasing leasing_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.leasing
    ADD CONSTRAINT leasing_pkey PRIMARY KEY (id);

--
-- TOC entry 3443 (class 2606 OID 16796)
-- Name: off_reasons off_reasons_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.off_reasons
    ADD CONSTRAINT off_reasons_pkey PRIMARY KEY (id);

--
-- TOC entry 3421 (class 2606 OID 16624)
-- Name: papers papers_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.papers
    ADD CONSTRAINT papers_pkey PRIMARY KEY (id);

--
-- TOC entry 3419 (class 2606 OID 16616)
-- Name: persons persons_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

```

```

ALTER TABLE ONLY library.persons
    ADD CONSTRAINT persons_pkey PRIMARY KEY (id);

--
-- TOC entry 3441 (class 2606 OID 16789)
-- Name: places places_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.places
    ADD CONSTRAINT places_pkey PRIMARY KEY (id);

--
-- TOC entry 3425 (class 2606 OID 16648)
-- Name: positions_employees positions_employees_pkey; Type: CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.positions_employees
    ADD CONSTRAINT positions_employees_pkey PRIMARY KEY (id);

--
-- TOC entry 3417 (class 2606 OID 16609)
-- Name: positions positions_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.positions
    ADD CONSTRAINT positions_pkey PRIMARY KEY (id);

--
-- TOC entry 3405 (class 2606 OID 16532)
-- Name: publications publications_pkey; Type: CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.publications
    ADD CONSTRAINT publications_pkey PRIMARY KEY (id);

--
-- TOC entry 3403 (class 2606 OID 16513)
-- Name: publishers publishers_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.publishers
    ADD CONSTRAINT publishers_pkey PRIMARY KEY (id);

--

```

```

-- TOC entry 3427 (class 2606 OID 16665)
-- Name: readers readers_pkey; Type: CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.readers
    ADD CONSTRAINT readers_pkey PRIMARY KEY (id);

--

-- TOC entry 3431 (class 2606 OID 16694)
-- Name: receipt_invoice_content receipt_invoice_content_pkey; Type:
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice_content
    ADD CONSTRAINT receipt_invoice_content_pkey PRIMARY KEY (id);

--

-- TOC entry 3429 (class 2606 OID 16677)
-- Name: receipt_invoice receipt_invoice_pkey; Type: CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice
    ADD CONSTRAINT receipt_invoice_pkey PRIMARY KEY (id);

--

-- TOC entry 3407 (class 2606 OID 16554)
-- Name: translators translators_pkey; Type: CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.translators
    ADD CONSTRAINT translators_pkey PRIMARY KEY (id);

--

-- TOC entry 3409 (class 2606 OID 16561)
-- Name: translators_publications translators_publications_pkey; Type:
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.translators_publications
    ADD CONSTRAINT translators_publications_pkey PRIMARY KEY (id);

--

-- TOC entry 3501 (class 2620 OID 16967)
-- Name: act_entry_content create copy; Type: TRIGGER; Schema: library;
Owner: postgres
--

```

```

CREATE TRIGGER "create copy" BEFORE INSERT ON library.act_entry_content
FOR EACH ROW EXECUTE FUNCTION library.create_copy_act_entry();

--
-- TOC entry 3502 (class 2620 OID 16970)
-- Name: act_entry_instead create-copy; Type: TRIGGER; Schema: library;
Owner: postgres
--

CREATE TRIGGER "create-copy" AFTER INSERT ON library.act_entry_instead
FOR EACH ROW EXECUTE FUNCTION library.create_copy_act_entry_instead();

--
-- TOC entry 3479 (class 2606 OID 16724)
-- Name: act_entry_content act_entry_content_act_entry_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_content
    ADD CONSTRAINT act_entry_content_act_entry_id_fkey FOREIGN KEY
(act_entry_id) REFERENCES library.act_entry(id);

--
-- TOC entry 3480 (class 2606 OID 16729)
-- Name: act_entry_content act_entry_content_publication_id_fkey; Type:
FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_content
    ADD CONSTRAINT act_entry_content_publication_id_fkey FOREIGN KEY
(publication_id) REFERENCES library.publications(id);

--
-- TOC entry 3478 (class 2606 OID 16712)
-- Name: act_entry act_entry_employee_id_fkey; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry
    ADD CONSTRAINT act_entry_employee_id_fkey FOREIGN KEY (employee_id)
REFERENCES library.employees(id);

--
-- TOC entry 3481 (class 2606 OID 16751)
-- Name: act_entry_instead act_entry_instead_employee_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_instead
    ADD CONSTRAINT act_entry_instead_employee_id_fkey FOREIGN KEY
(employee_id) REFERENCES library.employees(id);

```

```

--
-- TOC entry 3482 (class 2606 OID 16778)
-- Name: act_entry_instead act_entry_instead_old_copy_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_instead
    ADD CONSTRAINT act_entry_instead_old_copy_id_fkey FOREIGN KEY
(old_copy_id) REFERENCES library.copies(id) NOT VALID;

--
-- TOC entry 3483 (class 2606 OID 16746)
-- Name: act_entry_instead act_entry_instead_publication_id_fkey; Type:
FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_instead
    ADD CONSTRAINT act_entry_instead_publication_id_fkey FOREIGN KEY
(publication_id) REFERENCES library.publications(id);

--
-- TOC entry 3484 (class 2606 OID 16741)
-- Name: act_entry_instead act_entry_instead_reader_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.act_entry_instead
    ADD CONSTRAINT act_entry_instead_reader_id_fkey FOREIGN KEY
(reader_id) REFERENCES library.readers(id);

--
-- TOC entry 3459 (class 2606 OID 16490)
-- Name: authors_compositions authors_compositions_author_id_fkey; Type:
FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.authors_compositions
    ADD CONSTRAINT authors_compositions_author_id_fkey FOREIGN KEY
(author_id) REFERENCES library.authors(id);

--
-- TOC entry 3460 (class 2606 OID 16495)
-- Name: authors_compositions authors_compositions_composition_id_fkey;
Type: FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.authors_compositions
    ADD CONSTRAINT authors_compositions_composition_id_fkey FOREIGN KEY
(composition_id) REFERENCES library.compositions(id);

```

```

--
-- TOC entry 3467 (class 2606 OID 16586)
-- Name: compilers_publications compiler; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.compilers_publications
    ADD CONSTRAINT compiler FOREIGN KEY (compiler_id) REFERENCES
library.compiler(id);

--
-- TOC entry 3462 (class 2606 OID 16533)
-- Name: publications composition; Type: FK CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.publications
    ADD CONSTRAINT composition FOREIGN KEY (composition_id) REFERENCES
library.compositions(id);

--
-- TOC entry 3485 (class 2606 OID 16773)
-- Name: copies copies_act_entry_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.copies
    ADD CONSTRAINT copies_act_entry_id_fkey FOREIGN KEY (act_entry_id)
REFERENCES library.act_entry(id);

--
-- TOC entry 3486 (class 2606 OID 16763)
-- Name: copies copies_act_entry_instead_id_fkey; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies
    ADD CONSTRAINT copies_act_entry_instead_id_fkey FOREIGN KEY
(act_entry_instead_id) REFERENCES library.act_entry_instead(id);

--
-- TOC entry 3487 (class 2606 OID 16897)
-- Name: copies copies_fk; Type: FK CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.copies
    ADD CONSTRAINT copies_fk FOREIGN KEY (publication_id) REFERENCES
library.publications(id);

```

```

--
-- TOC entry 3495 (class 2606 OID 16882)
-- Name: copies_interactions copies_interactions_act_entry_id_fkey;
Type: FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_act_entry_id_fkey FOREIGN KEY
(act_entry_id) REFERENCES library.act_entry(id);

--
-- TOC entry 3496 (class 2606 OID 16872)
-- Name: copies_interactions copies_interactions_act_entry_instead_fkey;
Type: FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_act_entry_instead_fkey FOREIGN
KEY (act_entry_instead_id) REFERENCES library.act_entry_instead(id);

--
-- TOC entry 3497 (class 2606 OID 16867)
-- Name: copies_interactions copies_interactions_lease_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_lease_id_fkey FOREIGN KEY
(lease_id) REFERENCES library.leasing(id);

--
-- TOC entry 3498 (class 2606 OID 16887)
-- Name: copies_interactions copies_interactions_off_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_off_id_fkey FOREIGN KEY (off_id)
REFERENCES library.copies_off(id);

--
-- TOC entry 3499 (class 2606 OID 16862)
-- Name: copies_interactions copies_interactions_place_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_place_id_fkey FOREIGN KEY
(place_id) REFERENCES library.places(id);

--

```

```

-- TOC entry 3500 (class 2606 OID 16877)
--          Name:                  copies_interactions
copies_interactions_receipt_invoice_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.copies_interactions
    ADD CONSTRAINT copies_interactions_receipt_invoice_id_fkey FOREIGN
KEY (receipt_invoice_id) REFERENCES libraryreceipt_invoice(id);

--
-- TOC entry 3489 (class 2606 OID 16818)
-- Name: copies_off_content copies_off_content_copy_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off_content
    ADD CONSTRAINT copies_off_content_copy_id_fkey FOREIGN KEY (copy_id)
REFERENCES library.copies(id);

--
-- TOC entry 3490 (class 2606 OID 16828)
-- Name: copies_off_content copies_off_content_destination_id_fkey;
Type: FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off_content
    ADD CONSTRAINT copies_off_content_destination_id_fkey FOREIGN KEY
(destination_id) REFERENCES library.destinations(id);

--
-- TOC entry 3491 (class 2606 OID 16833)
-- Name: copies_off_content copies_off_content_off_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off_content
    ADD CONSTRAINT copies_off_content_off_id_fkey FOREIGN KEY (off_id)
REFERENCES library.copies_off(id);

--
-- TOC entry 3492 (class 2606 OID 16823)
-- Name: copies_off_content copies_off_content_reason_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies_off_content
    ADD CONSTRAINT copies_off_content_reason_id_fkey FOREIGN KEY
(reason_id) REFERENCES library.off_reasons(id);

--

```



```

-- TOC entry 3488 (class 2606 OID 16768)
-- Name: copies copies_receipt_invoice_id_fkey; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.copies
    ADD CONSTRAINT copies_receipt_invoice_id_fkey FOREIGN KEY
(receipt_invoice_id) REFERENCES libraryreceipt_invoice(id);

--

-- TOC entry 3470 (class 2606 OID 16637)
-- Name: employees employees_person_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.employees
    ADD CONSTRAINT employees_person_id_fkey FOREIGN KEY (person_id)
REFERENCES library.persons(id);

--

-- TOC entry 3455 (class 2606 OID 16454)
-- Name: fields_of_knowledge_compositions
fields_of_knowledge_compositions_composition_id_fkey; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.fields_of_knowledge_compositions
    ADD CONSTRAINT fields_of_knowledge_compositions_composition_id_fkey
FOREIGN KEY (composition_id) REFERENCES library.compositions(id);

--

-- TOC entry 3456 (class 2606 OID 16449)
-- Name: fields_of_knowledge_compositions
fields_of_knowledge_compositions_field_of_knowledge_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.fields_of_knowledge_compositions
    ADD CONSTRAINT fields_of_knowledge_compositions_field_of_knowledge_id_fkey
FOREIGN KEY (field_of_knowledge_id) REFERENCES library.fields_of_knowledge(id);

--

-- TOC entry 3457 (class 2606 OID 16478)
-- Name: genres_compositions genres_compositions_composition_id_fkey;
Type: FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.genres_compositions
    ADD CONSTRAINT genres_compositions_composition_id_fkey FOREIGN KEY
(composition_id) REFERENCES library.compositions(id);

```

```

--
-- TOC entry 3458 (class 2606 OID 16473)
-- Name: genres_compositions genres_compositions_genre_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.genres_compositions
    ADD CONSTRAINT genres_compositions_genre_id_fkey FOREIGN KEY
(genre_id) REFERENCES library.genres(id);

--
-- TOC entry 3463 (class 2606 OID 16538)
-- Name: publications language; Type: FK CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.publications
    ADD CONSTRAINT language FOREIGN KEY (language_id) REFERENCES
library.languages(id);

--
-- TOC entry 3454 (class 2606 OID 16437)
-- Name: compositions language_id; Type: FK CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.compositions
    ADD CONSTRAINT language_id FOREIGN KEY (language_id) REFERENCES
library.languages(id);

--
-- TOC entry 3493 (class 2606 OID 16845)
-- Name: leasing leasing_copy_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.leasing
    ADD CONSTRAINT leasing_copy_id_fkey FOREIGN KEY (copy_id) REFERENCES
library.copies(id);

--
-- TOC entry 3494 (class 2606 OID 16850)
-- Name: leasing leasing_reader_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.leasing
    ADD CONSTRAINT leasing_reader_id_fkey FOREIGN KEY (reader_id)
REFERENCES library.readers(id);

```

```

--
-- TOC entry 3469 (class 2606 OID 16625)
-- Name: papers person; Type: FK CONSTRAINT; Schema: library; Owner:
postgres
--

ALTER TABLE ONLY library.papers
    ADD CONSTRAINT person FOREIGN KEY (person_id) REFERENCES
library.persons(id) NOT VALID;

--
-- TOC entry 3471 (class 2606 OID 16649)
-- Name: positions_employees positions_employees_employee_id_fkey; Type:
FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.positions_employees
    ADD CONSTRAINT positions_employees_employee_id_fkey FOREIGN KEY
(employee_id) REFERENCES library.employees(id);

--
-- TOC entry 3472 (class 2606 OID 16654)
-- Name: positions_employees positions_employees_position_id_fkey; Type:
FK CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.positions_employees
    ADD CONSTRAINT positions_employees_position_id_fkey FOREIGN KEY
(position_id) REFERENCES library.positions(id);

--
-- TOC entry 3465 (class 2606 OID 16567)
-- Name: translators_publications publication; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.translators_publications
    ADD CONSTRAINT publication FOREIGN KEY (publication_id) REFERENCES
library.publications(id);

--
-- TOC entry 3468 (class 2606 OID 16591)
-- Name: compilers_publications publication; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.compilers_publications
    ADD CONSTRAINT publication FOREIGN KEY (publication_id) REFERENCES
library.publications(id);

--

```

```

-- TOC entry 3464 (class 2606 OID 16543)
-- Name: publications publisher; Type: FK CONSTRAINT; Schema: library;
Owner: postgres
--

ALTER TABLE ONLY library.publications
    ADD CONSTRAINT publisher FOREIGN KEY (publisher_id) REFERENCES
library.publishers(id);

--
-- TOC entry 3461 (class 2606 OID 16514)
-- Name: publishers publishers_city_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.publishers
    ADD CONSTRAINT publishers_city_id_fkey FOREIGN KEY (city_id)
REFERENCES library.cities(id) NOT VALID;

--
-- TOC entry 3473 (class 2606 OID 16666)
-- Name: readers readers_person_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.readers
    ADD CONSTRAINT readers_person_id_fkey FOREIGN KEY (person_id)
REFERENCES library.persons(id);

--
-- TOC entry 3476 (class 2606 OID 16700)
-- Name: receipt_invoice_content
receipt_invoice_content_publication_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice_content
    ADD CONSTRAINT receipt_invoice_content_publication_id_fkey FOREIGN
KEY (publication_id) REFERENCES library.publications(id);

--
-- TOC entry 3477 (class 2606 OID 16695)
-- Name: receipt_invoice_content
receipt_invoice_content_receipt_invoice_id_fkey; Type: FK CONSTRAINT; Schema:
library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice_content
    ADD CONSTRAINT receipt_invoice_content_receipt_invoice_id_fkey
FOREIGN KEY (receipt_invoice_id) REFERENCES library.receipt_invoice(id);

```

```

--
-- TOC entry 3474 (class 2606 OID 16678)
-- Name: receipt_invoice receipt_invoice_contragent_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice
    ADD CONSTRAINT receipt_invoice_contragent_id_fkey FOREIGN KEY
    (contragent_id) REFERENCES library.contragent(id);

--
-- TOC entry 3475 (class 2606 OID 16683)
-- Name: receipt_invoice receipt_invoice_employee_id_fkey; Type: FK
CONSTRAINT; Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.receipt_invoice
    ADD CONSTRAINT receipt_invoice_employee_id_fkey FOREIGN KEY
    (employee_id) REFERENCES library.employees(id);

--
-- TOC entry 3466 (class 2606 OID 16562)
-- Name: translators_publications translator; Type: FK CONSTRAINT;
Schema: library; Owner: postgres
--

ALTER TABLE ONLY library.translators_publications
    ADD CONSTRAINT translator FOREIGN KEY (translator_id) REFERENCES
    library.translators(id);

-- Completed on 2023-10-23 09:58:16

--
-- PostgreSQL database dump complete
--

```