



(В таблицу edition был добавлен столбец copies_left)

--

-- PostgreSQL database dump

--

-- Dumped from database version 11.15

-- Dumped by pg_dump version 11.15

-- Started on 2022-03-22 12:03:57

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;
```

```
DROP DATABASE bookstore;
```

```
--
```

```
-- TOC entry 2890 (class 1262 OID 24577)
```

```
-- Name: bookstore; Type: DATABASE; Schema: -; Owner: postgres
```

```
--
```

```
CREATE DATABASE bookstore WITH TEMPLATE = template0 ENCODING = 'UTF8'
LC_COLLATE = 'Russian_Russia.1251' LC_CTYPE = 'Russian_Russia.1251';
```

```
ALTER DATABASE bookstore OWNER TO postgres;
```

```
\connect bookstore
```

```
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 24578)
-- Name: base_sch; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA base_sch;


ALTER SCHEMA base_sch OWNER TO postgres;


--

-- TOC entry 9 (class 2615 OID 24579)
-- Name: bookstore; Type: SCHEMA; Schema: -; Owner: postgres
--

CREATE SCHEMA bookstore;
```

```
ALTER SCHEMA bookstore OWNER TO postgres;
```

```
SET default_tablespace = '';
```

```
SET default_with_oids = false;
```

```
--
```

```
-- TOC entry 199 (class 1259 OID 24585)
```

```
-- Name: author; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.author (  
    author_id integer NOT NULL,  
    name character varying(30) NOT NULL,  
    surname character varying(30) NOT NULL,  
    middle_name character varying(30),  
    email character varying(30)  
);
```

```
ALTER TABLE bookstore.author OWNER TO postgres;
```

```
--
```

```
-- TOC entry 204 (class 1259 OID 24611)
```

```
-- Name: authorship; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.authorship (  
    author_id integer NOT NULL,  
    "ISBN" bigint NOT NULL,  
    order_number integer NOT NULL,  
    CONSTRAINT "order" CHECK ((order_number > 0))  
);
```

```
ALTER TABLE bookstore.authorship OWNER TO postgres;
```

```
--
```

```
-- TOC entry 198 (class 1259 OID 24580)
```

```
-- Name: book; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.book (  
    "ISBN" bigint NOT NULL,  
    title character varying(30) NOT NULL,  
    release_year date,  
    pages integer NOT NULL,  
    illustrations boolean,  
    category_id integer NOT NULL,  
    author_id integer NOT NULL,  
    CONSTRAINT pages CHECK ((pages > 0))  
);
```

```
ALTER TABLE bookstore.book OWNER TO postgres;
```

```
--
```

```
-- TOC entry 203 (class 1259 OID 24606)
```

```
-- Name: category; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.category (  
    category_id integer NOT NULL,  
    category character varying(30) NOT NULL  
);
```

```
ALTER TABLE bookstore.category OWNER TO postgres;
```

```
--
```

```
-- TOC entry 201 (class 1259 OID 24595)
```

```
-- Name: customer; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.customer (  
    customer_id integer NOT NULL,  
    name character varying(30) NOT NULL,  
    surname character varying(30) NOT NULL,
```

```
        middle_name character varying(30) NOT NULL,  
        phone bigint NOT NULL,  
        address character varying(30)  
    );
```

```
ALTER TABLE bookstore.customer OWNER TO postgres;
```

```
--  
-- TOC entry 200 (class 1259 OID 24590)  
-- Name: edition; Type: TABLE; Schema: bookstore; Owner: postgres  
--
```

```
CREATE TABLE bookstore.edition (  
    edition bigint NOT NULL,  
    edition_date date NOT NULL,  
    copies integer NOT NULL,  
    price integer NOT NULL,  
    "ISBN" bigint NOT NULL,  
    CONSTRAINT copies_numbr CHECK ((copies >= 0)),  
    CONSTRAINT price CHECK ((price >= 0))  
);
```

```
ALTER TABLE bookstore.edition OWNER TO postgres;
```

```
--  
-- TOC entry 206 (class 1259 OID 24656)  
-- Name: genre; Type: TABLE; Schema: bookstore; Owner: postgres  
--
```

```
CREATE TABLE bookstore.genre (  
    category_id integer NOT NULL,  
    "ISBN" bigint NOT NULL  
);
```

```
ALTER TABLE bookstore.genre OWNER TO postgres;
```

```
--  
-- TOC entry 202 (class 1259 OID 24600)  
-- Name: order; Type: TABLE; Schema: bookstore; Owner: postgres  
--
```

```
CREATE TABLE bookstore."order" (  
    order_id integer NOT NULL,  
    address character varying(30) NOT NULL,  
    date date NOT NULL,  
    books_number integer DEFAULT 0 NOT NULL,  
    customer_id integer NOT NULL,  
    delivery_date date NOT NULL,  
    order_state character varying(30) NOT NULL,
```



```
        CONSTRAINT book_num CHECK ((books_number > 0)),  
        CONSTRAINT date_check CHECK ((delivery_date >= date))  
    );
```

```
ALTER TABLE bookstore."order" OWNER TO postgres;
```

```
--
```

```
-- TOC entry 205 (class 1259 OID 24634)
```

```
-- Name: order_list; Type: TABLE; Schema: bookstore; Owner: postgres
```

```
--
```

```
CREATE TABLE bookstore.order_list (  
    edition integer NOT NULL,  
    order_id integer NOT NULL,  
    copies_number integer NOT NULL,  
    CONSTRAINT copies_num CHECK ((copies_number > 0))  
);
```

```
ALTER TABLE bookstore.order_list OWNER TO postgres;
```

```
--
```

```
-- TOC entry 2877 (class 0 OID 24585)
```

```
-- Dependencies: 199
```

```
-- Data for Name: author; Type: TABLE DATA; Schema: bookstore; Owner: postgres
```

--

```
INSERT INTO bookstore.author (author_id, name, surname, middle_name, email) VALUES
(977432, 'Альфред', 'Ахо', ' ', 'emailsobaka@gmail.com');
```

```
INSERT INTO bookstore.author (author_id, name, surname, middle_name, email) VALUES
(98476, 'Stuart', 'Russel', 'J.', 'koshka@gmail.com');
```

```
INSERT INTO bookstore.author (author_id, name, surname, middle_name, email) VALUES
(893465, 'David', 'Gunkel', 'J.', 'emaaail@gmail.com');
```

--

-- TOC entry 2882 (class 0 OID 24611)

-- Dependencies: 204

-- Data for Name: authorship; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.authorship (author_id, "ISBN", order_number) VALUES (977432,
9785845913494, 1);
```

```
INSERT INTO bookstore.authorship (author_id, "ISBN", order_number) VALUES (98476,
134610997, 1);
```

```
INSERT INTO bookstore.authorship (author_id, "ISBN", order_number) VALUES (893465,
262017431, 1);
```

--

-- TOC entry 2876 (class 0 OID 24580)

-- Dependencies: 198

-- Data for Name: book; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.book ("ISBN", title, release_year, pages, illustrations, category_id,
author_id) VALUES (9785845913494, 'Компиляторы', '1986-12-03', 1184, true, 5321,
977432);
```

```
INSERT INTO bookstore.book ("ISBN", title, release_year, pages, illustrations, category_id,
author_id) VALUES (134610997, 'Artificial Intelligence', '2020-12-10', 1136, false, 7631,
98476);
```

```
INSERT INTO bookstore.book ("ISBN", title, release_year, pages, illustrations, category_id,
author_id) VALUES (262017431, 'The Machine Question', '2012-07-12', 270, true, 7821,
893465);
```

--

-- TOC entry 2881 (class 0 OID 24606)

-- Dependencies: 203

-- Data for Name: category; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.category (category_id, category) VALUES (5321,
'программирование');
```

```
INSERT INTO bookstore.category (category_id, category) VALUES (7631, 'искусственный
интеллект');
```

```
INSERT INTO bookstore.category (category_id, category) VALUES (7821, 'научпоп');
```

--

-- TOC entry 2879 (class 0 OID 24595)

-- Dependencies: 201

-- Data for Name: customer; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.customer (customer_id, name, surname, middle_name, phone, address) VALUES (111581, 'Айсылу', 'Нургазизова', 'Равилевна', 89123657836, '');
```

```
INSERT INTO bookstore.customer (customer_id, name, surname, middle_name, phone, address) VALUES (142581, 'Мин', 'Юнги', 'Шуга', 89168965783, ' улица Космонавтов 46а');
```

```
INSERT INTO bookstore.customer (customer_id, name, surname, middle_name, phone, address) VALUES (220502, 'Мария', 'Железнова', 'Андреевна', 89123115036, 'улица Стачек, около Окея');
```

--

-- TOC entry 2878 (class 0 OID 24590)

-- Dependencies: 200

-- Data for Name: edition; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.edition (edition, edition_date, copies, price, "ISBN") VALUES (1334657, '1986-12-03', 1500, 700, 9785845913494);
```

```
INSERT INTO bookstore.edition (edition, edition_date, copies, price, "ISBN") VALUES (6547836, '2020-12-10', 5000, 683, 134610997);
```

```
INSERT INTO bookstore.edition (edition, edition_date, copies, price, "ISBN") VALUES (2456781, '2012-07-12', 8200, 1000, 262017431);
```

--

-- TOC entry 2884 (class 0 OID 24656)

-- Dependencies: 206

-- Data for Name: genre; Type: TABLE DATA; Schema: bookstore; Owner: postgres

--

```
INSERT INTO bookstore.genre (category_id, "ISBN") VALUES (5321, 9785845913494);
```

```
INSERT INTO bookstore.genre (category_id, "ISBN") VALUES (7631, 134610997);
```

```
INSERT INTO bookstore.genre (category_id, "ISBN") VALUES (7821, 262017431);
```

```
--
```

```
-- TOC entry 2880 (class 0 OID 24600)
```

```
-- Dependencies: 202
```

```
-- Data for Name: order; Type: TABLE DATA; Schema: bookstore; Owner: postgres
```

```
--
```

```
INSERT INTO bookstore."order" (order_id, address, date, books_number, customer_id,
delivery_date, order_state) VALUES (1144567, 'Колпино', '2022-02-14', 60, 142581,
'2022-04-18', 'отправлен в пункт выдачи');
```

```
INSERT INTO bookstore."order" (order_id, address, date, books_number, customer_id,
delivery_date, order_state) VALUES (1873567, 'Лесная', '2021-11-28', 2, 220502,
'2022-03-21', 'собран');
```

```
INSERT INTO bookstore."order" (order_id, address, date, books_number, customer_id,
delivery_date, order_state) VALUES (1873673, 'Итмо, коворкинг на Ломоносова',
'2022-03-16', 25, 111581, '2022-03-26', 'в процессе сборки');
```

```
--
```

```
-- TOC entry 2883 (class 0 OID 24634)
```

```
-- Dependencies: 205
```

```
-- Data for Name: order_list; Type: TABLE DATA; Schema: bookstore; Owner: postgres
```

```
--
```

```
INSERT INTO bookstore.order_list (edition, order_id, copies_number) VALUES (1334657, 1144567, 60);
```

```
INSERT INTO bookstore.order_list (edition, order_id, copies_number) VALUES (6547836, 1873673, 25);
```

```
INSERT INTO bookstore.order_list (edition, order_id, copies_number) VALUES (2456781, 1873567, 2);
```

```
--
```

```
-- TOC entry 2740 (class 2606 OID 24759)
```

```
-- Name: authorship author_order_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY bookstore.authorship
```

```
    ADD CONSTRAINT author_order_pkey PRIMARY KEY (author_id, "ISBN");
```

```
--
```

```
-- TOC entry 2728 (class 2606 OID 24589)
```

```
-- Name: author author_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres
```

```
--
```

```
ALTER TABLE ONLY bookstore.author
```

```
    ADD CONSTRAINT author_pkey PRIMARY KEY (author_id);
```

```
--
```

-- TOC entry 2726 (class 2606 OID 24687)

-- Name: book book_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.book

ADD CONSTRAINT book_pkey PRIMARY KEY ("ISBN");

--

-- TOC entry 2738 (class 2606 OID 24610)

-- Name: category category_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.category

ADD CONSTRAINT category_pkey PRIMARY KEY (category_id);

--

-- TOC entry 2733 (class 2606 OID 24599)

-- Name: customer customer_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.customer

ADD CONSTRAINT customer_pkey PRIMARY KEY (customer_id);

--

-- TOC entry 2730 (class 2606 OID 24777)

-- Name: edition edition_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.edition

ADD CONSTRAINT edition_pkey PRIMARY KEY (edition);

--

-- TOC entry 2736 (class 2606 OID 24605)

-- Name: order order_pkey; Type: CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore."order"

ADD CONSTRAINT order_pkey PRIMARY KEY (order_id);

--

-- TOC entry 2741 (class 1259 OID 24627)

-- Name: fki_auth_order; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_auth_order ON bookstore.authorship USING btree (author_id);

--

-- TOC entry 2742 (class 1259 OID 24760)

-- Name: fki_auth_order_isbn; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_auth_order_isbn ON bookstore.authorship USING btree ("ISBN");

--

-- TOC entry 2731 (class 1259 OID 24788)

-- Name: fki_book_ed; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_book_ed ON bookstore.edition USING btree ("ISBN");

--

-- TOC entry 2743 (class 1259 OID 24644)

-- Name: fki_copies_edition; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_copies_edition ON bookstore.order_list USING btree (edition);

--

-- TOC entry 2745 (class 1259 OID 24672)

-- Name: fki_genre; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_genre ON bookstore.genre USING btree (category_id);

--

-- TOC entry 2746 (class 1259 OID 24799)

-- Name: fki_isbn; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_isbn ON bookstore.genre USING btree ("ISBN");

--

-- TOC entry 2734 (class 1259 OID 24633)

-- Name: fki_order_customer; Type: INDEX; Schema: bookstore; Owner: postgres

--

CREATE INDEX fki_order_customer ON bookstore."order" USING btree (customer_id);

--

-- TOC entry 2744 (class 1259 OID 24650)

-- Name: fki_order_id; Type: INDEX; Schema: bookstore; Owner: postgres

--

```
CREATE INDEX fki_order_id ON bookstore.order_list USING btree (order_id);
```

--

-- TOC entry 2749 (class 2606 OID 24622)

-- Name: authorship auth_order; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

```
ALTER TABLE ONLY bookstore.authorship
```

```
    ADD CONSTRAINT auth_order FOREIGN KEY (author_id) REFERENCES
    bookstore.author(author_id);
```

--

-- TOC entry 2750 (class 2606 OID 24761)

-- Name: authorship auth_order_isbn; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

```
ALTER TABLE ONLY bookstore.authorship
```

```
    ADD CONSTRAINT auth_order_isbn FOREIGN KEY ("ISBN") REFERENCES
    bookstore.book("ISBN");
```

--

-- TOC entry 2747 (class 2606 OID 24789)

-- Name: edition book_ed; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.edition

ADD CONSTRAINT book_ed FOREIGN KEY ("ISBN") REFERENCES
bookstore.book("ISBN");

--

-- TOC entry 2752 (class 2606 OID 24778)

-- Name: order_list copies_edition; Type: FK CONSTRAINT; Schema: bookstore; Owner:
postgres

--

ALTER TABLE ONLY bookstore.order_list

ADD CONSTRAINT copies_edition FOREIGN KEY (edition) REFERENCES
bookstore.edition(edition);

--

-- TOC entry 2753 (class 2606 OID 24667)

-- Name: genre genre; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.genre

ADD CONSTRAINT genre FOREIGN KEY (category_id) REFERENCES
bookstore.category(category_id);

--

-- TOC entry 2754 (class 2606 OID 24800)

-- Name: genre isbn; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

ALTER TABLE ONLY bookstore.genre

ADD CONSTRAINT isbn FOREIGN KEY ("ISBN") REFERENCES
bookstore.book("ISBN") NOT VALID;

--

-- TOC entry 2748 (class 2606 OID 24628)

-- Name: order order_customer; Type: FK CONSTRAINT; Schema: bookstore; Owner:
postgres

--

ALTER TABLE ONLY bookstore."order"

ADD CONSTRAINT order_customer FOREIGN KEY (customer_id) REFERENCES
bookstore.customer(customer_id) NOT VALID;

--

-- TOC entry 2751 (class 2606 OID 24651)

-- Name: order_list order_id; Type: FK CONSTRAINT; Schema: bookstore; Owner: postgres

--

```
ALTER TABLE ONLY bookstore.order_list
```

```
    ADD CONSTRAINT order_id FOREIGN KEY (order_id) REFERENCES  
bookstore."order"(order_id);
```

```
--
```

```
-- TOC entry 2891 (class 0 OID 0)
```

```
-- Dependencies: 6
```

```
-- Name: SCHEMA base_sch; Type: ACL; Schema: -; Owner: postgres
```

```
--
```

```
REVOKE ALL ON SCHEMA base_sch FROM postgres;
```

```
GRANT ALL ON SCHEMA base_sch TO postgres WITH GRANT OPTION;
```

```
--
```

```
-- TOC entry 2892 (class 0 OID 0)
```

```
-- Dependencies: 9
```

```
-- Name: SCHEMA bookstore; Type: ACL; Schema: -; Owner: postgres
```

```
--
```

```
REVOKE ALL ON SCHEMA bookstore FROM postgres;
```

```
GRANT ALL ON SCHEMA bookstore TO postgres WITH GRANT OPTION;
```

```
-- Completed on 2022-03-22 12:03:58
```

--

-- PostgreSQL database dump complete

--