Alina Sigdel

CSE 4701 Project 1 Part 1

Dong Shin

Due: 9/27/2023

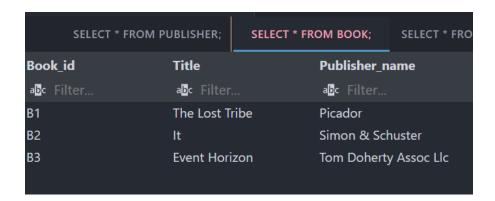
BOOK_LOAN_DB

Tables:

PUBLISHER

BLISHER;	SELECT * FROM	воок;	SELECT *
Address		Phone	
a <mark>b</mark> c Filte		a <mark>b</mark> c Filte	r
4300 Turk	ey Pen Road	(233) 444	-5521
4096 Eme	rson Road	(421) 540	-1675
4321 Walı	nut Hill Drive	(345) 623	-0356
	alc Filter 4300 Turk 4096 Eme		Address Phone allo Filter allo Filte 4300 Turkey Pen Road (233) 444 4096 Emerson Road (421) 540

BOOK



LIBRARY_BRANCH

	SELECT * FROM LI	BRARY_BRANCH;	SELECT	* FROM BORROWER;	SELECT * FROM BOOK_LOANS;
Branch	h_id	Branch_name		Address	
a <mark>b</mark> c Fi	ilter	a <mark>b</mark> c Filter		a <mark>b</mark> c Filter	
BR1		Sharpstown		9 Bow Ridge Street S	harpstown
BR2		Beloit		3 West Rd. Beloit	
BR3		Drive Lake Charles	;	824 Rock Maple Drive	e Lake Charles

BOOK_COPIES



BORROWER

	SELECT * FROM LIBRARY_BRANCI	H; SELECT * FROM BORROV	VER; SELECT * FROM BOOK_LOANS;
Card_n	o Borrower_na	me Address	Phone
a <mark>b</mark> c Fi	ter a <mark>b</mark> c Filter	a <mark>b</mark> c Filter	alac Filter
C1	John Smith	731 Fondren, Ho	ouston, TX (206) 342-8631
C2	Franklin Won	g 638 Voss, Houst	on, TX (717) 550-1675
C3	Alicia Zelaya	3321 Castle, Spr	ing, TX (248) 762-0356

BOOK_LOANS

SELECT * FRO	M LIBRARY_BRANCH;	SELECT * FROM BORROWER;	SELECT * FROM BOO	K_LOANS;
Book_id	Branch_id	Card_no	Date_out	Due_date
a <mark>b</mark> c Filter				
B1	BR1	C1	2023-01-05	2023-02-05
B2	BR2	C2	2022-12-06	2023-01-06
В3	BR3	C2	2023-01-29	2023-02-29

Code Snippets:

```
↑ CREATE TABLE BOOK (
2 Book_id varchar(255),
3 Title varchar(255),
4 Publisher_name varchar(255),
5 FOREIGN KEY (Publisher_name) REFERENCES PUBLISHER(Publisher_name)
6 };
7 CREATE TABLE PUBLISHER (
9 Publisher_name varchar(255),
10 Address varchar(255),
11 Phone varchar(15)
12 };
13
14 CREATE TABLE BOOK_LOANS (
15 Book_id varchar(255),
16 Branch_id varchar(255),
17 Card_no varchar(255),
18 Date_out varchar(255),
19 Due_date varchar(255),
19 Due_date varchar(255),
10 PRIMARY KEY (Book_id) REFERENCES BOOK(Book_id),
10 FOREIGN KEY (Book_id) REFERENCES BOOK(Book_id),
10 FOREIGN KEY (Branch_id) REFERENCES BORROWER(Card_no)
10 POREIGN KEY (Branch_id) REFERENCES BORROWER(Card_no)
11 CREATE TABLE BOOK_AUTHORS (
12 Branch_id varchar(255),
19 Address varchar(255),
19 Address varchar(255),
20 Address varchar(255),
21 CREATE TABLE BOOK_AUTHORS (
22 Branch_id varchar(255),
23 Address varchar(255),
24 Address varchar(255),
25 CREATE TABLE BOOK_AUTHORS (
26 Book_id varchar(255),
27 Address varchar(255),
28 Branch_name varchar(255),
29 Address varchar(255),
20 PRIMARY KEY (Book_id, Author_name)
20 );
```

```
CREATE TABLE BOOK_COPIES (
Book_id varchar(255),
Book_id varchar(255),
No.of_copies int,
PRIMARY KEY (Book_id) REFERENCES BOOK(Book_id),
FOREIGN KEY (Book_id) REFERENCES LIBRARY_BRANCH(Branch_id)

;

CREATE TABLE BORROWER (
Card_no varchar(255),
Borrower_name varchar(255),
Address varchar(255),
Phone varchar(255),
Phone varchar(255),
INSERT INTO PUBLISHER (Publisher_name, Address, Phone)

VALUES
('Picador', '4300 Turkey Pen Road', '(233) 444-5521'),
('Simon & Schuster', '4096 Emerson Road', '(421) 540-1675'),
('Tom Doherty Assoc Llc', '4321 Walnut Hill Drive', '(345) 623-0356');

INSERT INTO BOOK (Book_id, Title, Publisher_name)

VALUES
('B1', 'The Lost Tribe', 'Picador'),
('B2', 'It', 'Simon & Schuster'),
('B2', 'It', 'Simon & Schuster'),
('B1', 'The Lost Tribe', 'Picador'),
('B2', 'Stephen King'),
('B1', 'Mark Lee'),
('B2', 'Stephen King'),
('B3', 'Steven McDonald');
```