DROP TABLE Books\_Authors;

DROP TABLE Users\_Books;

DROP TABLE Books;

DROP TABLE Publishers;

DROP TABLE Authors;

DROP TABLE Users;

CREATE TABLE Users(

user\_id int NOT NULL,

first\_name character varying(30) NOT NULL,

last\_name character varying(30) NOT NULL,

email character varying(40) NOT NULL,

gender character varying(10) NOT NULL,

birth\_date date NOT NULL,

street\_address character varying(50) NOT NULL,

PRIMARY KEY (user\_id));

CREATE TABLE Authors(

author\_id int NOT NULL,

author\_name character varying(255) NOT NULL,

PRIMARY KEY (author\_id));

CREATE TABLE Publishers(

publisher\_id int NOT NULL,

publisher\_name character varying(255) NOT NULL,

PRIMARY KEY (publisher\_id));

CREATE TABLE Books(

title character varying(255) NOT NULL,

average\_rating numeric(2,1) CHECK (average\_rating >=0) NOT NULL,

isbn10 character varying(15) NOT NULL,

isbn13 bigint NOT NULL,

language\_code character varying(10) NOT NULL,

num\_pages int NOT NULL,

publication\_date date NOT NULL,

publisher\_id int NOT NULL,

PRIMARY KEY (isbn13),

FOREIGN KEY (publisher\_id) REFERENCES Publishers

ON DELETE CASCADE);

CREATE TABLE Users\_Books(

user\_id int NOT NULL,

rent\_date date NOT NULL,

isbn13 bigint NOT NULL,

PRIMARY KEY (user\_id,isbn13),

FOREIGN KEY (user\_id) REFERENCES Users

ON DELETE CASCADE,

COPY Authors

FROM 'C:\Authors.csv'

DELIMITER ','

ESCAPE '"'

CSV;

COPY Publishers

FROM 'C:\Publishers.csv'

DELIMITER ','

ESCAPE '"'

CSV;

COPY Books

FROM 'C:\Books.csv'

DELIMITER ','

ESCAPE '"'

CSV HEADER;

COPY Users

FROM 'C:\Users.csv'

DELIMITER ','

ESCAPE '"'

CSV HEADER;

COPY Users\_Books

FROM 'C:\Books\_Users.csv'

DELIMITER ','

ESCAPE '"'

CSV HEADER;

COPY Books\_Authors

FROM 'C:\Books\_Authors.csv'

DELIMITER ','

ESCAPE '"'

CSV;

ALTER TABLE Books

ADD COLUMN book\_stock integer;

UPDATE Books

SET book\_stock = FLOOR(RANDOM()\*20+3);

ALTER TABLE Books

ALTER COLUMN book\_stock SET NOT NULL;