بہ نام خدہ

98411432

مصد عرفاخ زالرع زردینر

CREATE TABLE book (book_id INT NOT NULL PRIMARY KEY,

title VARCHAR(40) NOT NULL,

publisher_name VARCHAR(40) NOT NULL,

FOREIGN KEY(publisher_name) REFERENCES publisher(name) on delete set null on update set cascade);

CREATE TABLE book_authors (

book_id INT NOT NULL PRIMARY KEY,

author_name VARCHAR(30) NOT NULL UNIQUE,

FOREIGN KEY(book_id) REFERENCES book(book_id) on delete cascade on update cascade);

CREATE TABLE publisher (name VARCHAR(40) NOT NULL PRIMARY KEY, address VARCHAR(90), phone VARCHAR(11)); CREATE TABLE book_copies (book_id INT NOT NULL UNIQUE PRIMARY KEY, branch_id INT NOT NULL UNIQUE, no_of_copies INT NOT NULL, FOREIGN KEY(book_id) REFERENCES book(book_id), FOREIGN KEY(branch_id) REFERENCES library_branch(branch_id) on delete set null on update cascade); CREATE TABLE book_loans (book_id INT NOT NULL UNIQUE PRIMARY KEY, branch_id INT NOT NULL, date_out DATETIME NOT NULL, due_date DATE NOT NULL,

card_no INT NOT NULL,

FOREIGN KEY(branch_id) REFERENCES library_branch(branch_id),

FOREIGN KEY(book_id) REFERENCES book(book_id),

FOREIGN KEY(card_no) REFERENCES borrower(card_no) on delete set null on update set cascade);

CREATE TABLE library_branch (

branch_id INT NOT NULL PRIMARY KEY,

branch_name VARCHAR(40) NOT NULL,

address VARCHAR(90) NOT NULL);

CREATE TABLE borrower (

card_no INT NOT NULL PRIMARY KEY,

name VARCHAR(40) NOT NULL,

address VARCHAR(90),

phone VARCHAR(11));