Diagrama de Banco de Dados para Sistema de Biblioteca

Authors

PK	author_id int NOT NULL
	author_name char(255) NOT NULL
	birth_date date NOT NULL
	nationality char(255) NOT NULL

Publishers

PK	publishers_id int NOT NULL
	publishers_name char(255) NOT NULL
	country char(255) NOT NULL

Books

PK	book_id int NOT NULL
	book_name char(255) NOT NULL
FK1	author_id int NOT NULL
FK2	category_id int NOT NULL
	description char(255) NOT NULL
FK3	publisher_id int NOT NULL
	year_of_publication date NOT NULL

Categories

PK	category_id int NOT NULL
	category_name char(255) NOT NULL
	country char(255) NOT NULL

Loans

PK	loan_id int NOT NULL
FK1	book_id int NOT NULL
FK2	user_id int NOT NULL
	loan_date date NOT NULL
	renewal_date date NULL
	return_date date NOT NULL

Address

PK	address_id int NOT NULL
	addrees char(255) NOT NULL
	city char(255) NOT NULL
	state char(255) NOT NULL
	country char(255) NOT NULL
	zip_code char(15) NOT NULL

User

PK	user_id int NOT NULL
	user_name char(255) NOT NULL
	cpf char(14) NOT NULL
FK1	address_id int NOT NULL
FK2	email_id int NOT NULL
FK3	phone_id int NOT NULL

Email

PK	email_id int NOT NULL
	email char(255) NOT NULL

Phone

PK	phone_id int NOT NULL
	phone_name char(255) NOT NULL
	ddd int NOT NULL
	phone char(10) NOT NULL