MINI PROJECT-1

BOOK CATALOLOG SYSTEM

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CREATING DATABASE SCHEMA

create table Publishers (Publisher\_Id int,Publisher\_Name varchar(30) NOT NULL,PRIMARY KEY(Publisher\_Id));

create table Categories (Category\_Id int,Category\_Name varchar(30) NOT NULL UNIQUE,PRIMARY KEY(Category\_Id));

insert into publishers values(101,'sahana'),(102,'sahitya');

insert into Publishers values(103,'sanu'),(104,'shivam'),(105,'suhas');

insert into Categories values(201,'ravi'),(203,'sonu');

insert into Categories values(202,'janu'),(204,'satya'),(205,'soniya');

CREATE TABLE Books (

Book\_Id INT PRIMARY KEY,

Title VARCHAR(255) NOT NULL,

ISBN VARCHAR(13) UNIQUE NOT NULL,

Publication\_year INT NOT NULL,

Publisher\_Id INT,

Category\_Id INT,

Author\_Name VARCHAR(255),

CONSTRAINT fk\_publisher

FOREIGN KEY (Publisher\_Id) REFERENCES Publishers(Publisher\_Id)

ON DELETE CASCADE,

CONSTRAINT fk\_category

FOREIGN KEY (Category\_Id) REFERENCES Categories(Category\_Id)

ON DELETE CASCADE,

CONSTRAINT chk\_author\_name

CHECK (Author\_Name IS NOT NULL));

insert into Books values(1,'story',200,2020,101,201,'sowmya');

insert into Books values(2,'poems',199,2021,102,202,'karthik'),(3,'mythological',198,2020,103,203,'janvi'),

(4,'history',197,2019,104,204,'sowmya'),(5,'ramayana',196,2018,105,205,'suhas');

create table Users (User\_Id int PRIMARY KEY,User\_Name varchar(20) NOT NULL,Email varchar(60) UNIQUE NOT NULL,Phone\_number int UNIQUE NOT NULL);

create table Borrowings (Borrow\_Id int PRIMARY KEY,User\_Id int,CONSTRAINT fk\_user FOREIGN KEY (User\_Id) REFERENCES Users(User\_Id) ON DELETE CASCADE,

Book\_Id int,CONSTRAINT fk\_book FOREIGN KEY (Book\_Id) REFERENCES Books(Book\_Id) ON DELETE CASCADE,Borrow\_Date date NOT NULL,Return\_Date date NOT NULL);

insert into Users values(23,'rohith','rohith@gmail.com',345567),(24,'hari','hari@gmail.com',5677888);

insert into Usersvalues(25,'rahul','rahul@gmail.com',789900),(26,'sahitya','sahitya@gmail.com',354356465),(27,'ram','ram@gmail.com',353323);

insert into Borrowings values(12,23,1,'2022-02-09','2023-05-6');

insert into Borrowings values(14,25,3,'2018-03-08','2019-04-09'),

(13,24,2,'2023-03-06','2024-04-07'),(15,26,4,'2015-02-01','2016-03-02'),(16,27,5,'2013-05-02','2014-06-03');

select \* from Users;

select \* from Borrowings;

select \* from Books;

select \* from Publishers;

select \* from Categories;