

libraries

library-id	INT (PK)
library-code	unique (AI)
library-name	CNAME
district	VARCHAR
mandal	VARCHAR
establish-year	(year)
Total-books	INT
Created-at	TIMESTAMP

Employees

Employee-id	INT (PK) (AI)
Employee-code	VARCHAR (UNQ)
Employee-name	VARCHAR
Library-id	INT (FK)
designation	ENUM
Salary	DECIMAL
Joining-date	DATE

Reader

Reader-id	INT (PK) (AI)
Reader-code	VARCHAR (unique)
Reader-name	VARCHAR
age	INT
gender	ENUM, library-code
library-id	INT (FK)
membership-date	DATE
Phone-number	BIGINT

books

book-id	INT (PK) (AI)
isbn	VARCHAR unique
title	VARCHAR
author	VARCHAR
genre	ENUM
Published-year	Year
Price	DECIMAL
library-id	INT (FK)

Book-issues

issue-id	INT (PK) (AI)
issue-code	VARCHAR
book-id	INT (FK)
reader-id	INT (FK)
issue-date	DATE
return-date	DATE
fine-amount	DECIMAL
Status	ENUM

Funds

Fund-id	INT (PK)
library-id	INT
Fund-year	Year
total fund	DECIMAL
spent	DECIMAL
remaining	DECIMAL