Assignment 2: Design a database schema for a library system, including tables, fields, and constraints like NOT NULL, UNIQUE, and CHECK. Include primary and foreign keys to establish relationships between tables.

SOLUTION:

CREATE TABLE Authors (

author\_id INT PRIMARY KEY,

name VARCHAR(100) NOT NULL

);

CREATE TABLE Members (

member\_id INT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL

);

CREATE TABLE Books (

id INT PRIMARY KEY,

title VARCHAR(200) NOT NULL,

isbn VARCHAR(13) UNIQUE NOT NULL,

author\_id INT NOT NULL,

FOREIGN KEY(author\_id) REFERENCES Authors(author\_id),

publication\_year INT CHECK (publication\_year >= 0)

);

OUTPUT:





