**Day9 - Assignment 1:** 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.

CREATE TABLE books (

book\_id INT PRIMARY KEY,

title VARCHAR2(100) NOT NULL,

author VARCHAR2(100) NOT NULL,

publication\_year INT,

publisher VARCHAR2(100),

quantity INT CHECK (quantity >= 0)

);

CREATE TABLE members (

member\_id INT PRIMARY KEY,

name VARCHAR2(100) NOT NULL,

email VARCHAR2(100) UNIQUE NOT NULL,

phone VARCHAR2(20),

address VARCHAR2(255)

);

CREATE TABLE transactions (

transaction\_id INT PRIMARY KEY,

book\_id INT, FOREIGN KEY (book\_id) REFERENCES books(book\_id),

member\_id INT, FOREIGN KEY (member\_id) REFERENCES members(member\_id)

issue\_date DATE NOT NULL,

due\_date DATE NOT NULL,

return\_date DATE,

);