**Day # 1 Assignments** (Estimated Time: 2 Hrs)

**# Library System Databse**

CREATE DATABASE librarysys;

USE librarysys;

**# Table 1**

**-- Create member table with member\_id int,member\_name varchar(30),member\_address varchar(50),acc\_open\_date date,membership\_type varchar(20),fees\_paid int(4),max\_books\_allowed int(2),penalty\_amount int(7)**

CREATE TABLE member (

member\_id INT,

member\_name VARCHAR(30),

member\_address VARCHAR(50),

acc\_open\_date DATE,

membership\_type VARCHAR(20),

fees\_paid INT(4),

max\_books\_allowed INT(2),

penalty\_amount INT(7)

);

**-- Inserting data into the “member” table**

INSERT INTO member (member\_id, member\_name, member\_address, acc\_open\_date, membership\_type, fees\_paid, max\_books\_allowed, penalty\_amount)

VALUES

(1, ‘John Doe’, ‘123 Main Street, Cityville’, ‘2023-09-21’, ‘Gold’, 100, 5, 0),

(2, ‘Jane Smith’, ‘456 Elm Avenue, Townsville’, ‘2023-09-20’, ‘Silver’, 75, 4, 0),

(3, ‘Bob Johnson’, ‘789 Oak Road, Villagetown’, ‘2023-09-19’, ‘Bronze’, 50, 3, 0),

(4, ‘Alice Brown’, ‘101 Pine Lane, Hamletville’, ‘2023-09-18’, ‘Gold’, 100, 5, 0),

(5, ‘Eva White’, ‘202 Cedar Drive, Countryside’, ‘2023-09-17’, ‘Silver’, 75, 4, 0);

**-- Display the contents of the “member" table**

SELECT \* FROM member;

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**# Table 2**

**-- Create books table with book\_no int(6),book\_name varchar(30),author\_name varchar(30),cost int(7),category char(10)**

CREATE TABLE books (

book\_no INT(6),

book\_name VARCHAR(30),

author\_name VARCHAR(30),

cost INT(7),

category CHAR(10)

);

**-- Inserting data into the "books" table**

INSERT INTO books (book\_no, book\_name, author\_name, cost, category)

VALUES

(1, ‘The Great Gatsby’, ‘F. Scott Fitzgerald’, 15, ‘Fiction’),

(2, ‘To Kill a Mockingbird’, ‘Harper Lee’, 12, ‘Fiction’),

(3, ‘1984’, ‘George Orwell’, 10, ‘Science’),

(4, ‘Pride and Prejudice’, ‘Jane Austen’, 18, ‘Classic’),

(5, ‘The Catcher in the Rye’, ‘J.D. Salinger’, 14, ‘Fiction’);

**-- Display the contents of the “books” table**

SELECT \* FROM books;

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**# Table 3**

**-- Create issue table with lib\_issue\_id int(10),book\_no int(6),member\_id int(5),issue\_date date,return\_date date**

CREATE TABLE issue (

lib\_issue\_id INT(10),

book\_no INT(6),

member\_id INT(5),

issue\_date DATE,

return\_date DATE

);

**-- Inserting data into the “issue” table**

INSERT INTO issue (lib\_issue\_id, book\_no, member\_id, issue\_date, return\_date)

VALUES

(1, 1, 1, ‘2023-09-21’, ‘2023-09-28’),

(2, 2, 2, ‘2023-09-20’, ‘2023-09-27’),

(3, 3, 3, ‘2023-09-19’, ‘2023-09-26’),

(4, 4, 4, ‘2023-09-18’, ‘2023-09-25’),

(5, 5, 5, ‘2023-09-17’, ‘2023-09-24’);

**-- Display the contents of the “issue” table**

SELECT \* FROM issue;

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