

**FACULTY OF COMPUTING AND INFORMATION TECHNOLOGY**

**BACS3183 ADVANCED DATABASE MANAGEMENT**

**Assignment**

**Semester 202501**

| **Programme** | : | **RSD2S3G3** |
| --- | --- | --- |
| **Date Submitted** | : | **22/04/2025** |

Team members:

| **No** | **Name** | **Student ID** | **Marks** |
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**Declaration**

We confirm that we have read and shall comply with all the terms and conditions of TAR UMT’s plagiarism policy.

We declare that this assignment is free from all forms of plagiarism and for all intents and purposes is my own properly derived work.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name :JIMMY CHAN KAH LOK | Name: LOO JIE YANG | Name: Lee Chun Yin | Name: CHEE JIA QIAN | Name: ONG JUN WEI |
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**Assignment Assessment Form**

| No | **Member Name** | **Programme** |
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|  |  |  | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Task**  **No.** | | | **Task Descriptions** | **Weightage** | **Criteria** | **1** | **2** | **3** | **4** | **5** | **Comment** |
| 1  (CLO 1) | | | Entity Relationship Diagram | 10% | * A complete ER data model in 3rd Normal Form. * All primary keys, foreign keys, relationships and attributes must be clearly shown. * Standalone system design will be given lower marks compare to online system design. |  | | | | |  |
| 2  (CLO 1) | | | Data Definition (DDL) | 10% | * Relevant integrity constraints to ensure database integrity must be included. * Necessary check constraints and default values to enforce business rules should also be included. |  | | | | |  |
| 3  (CLO 1) | | | Data records | 5% | * Sufficient quality data records must be created for each table. |  | | | | |  |
| 4  (CLO 3) | | | Queries | 5% | * Each team member is to design and produce two quality and useful queries for decision making at any two different management levels: strategic, tactical or operational. * Single table queries are not allowed. * Multiple table queries with aggregate functions (where appropriate) must be used. * View(s) is/are ought to be incorporated, where necessary. * These 2 queries cannot be used directly for report body. |  |  |  |  |  |  |
| 5% |  |  |  |  |  |  |
| 5  (CLO 2) | | | Stored Procedures | 5% | * Each team member is to design and create two stored procedures that cater for the use case scenarios for the system. * Quality, usefulness and importance of the stored procedures must be considered. |  |  |  |  |  |  |
| 5% |  |  |  |  |  |  |
| 6  (CLO 2) | | | Triggers | 5% | * Each team member is to design and create two triggers that enforces system-wide business rules and policies. * Quality, usefulness and functionality of the triggers must be considered. |  |  |  |  |  |  |
| 5% |  |  |  |  |  |  |
| 7  (CLO 3) | | | Reports | 10% | * Each team member is to create two procedures to generate two reports (summary, detail and on demand basis reports) for the company. * Parameter value(s) should be passed to the procedure, where necessary. * Cursor must be used in report generation (prefer nested cursors or multiple cursors). * Usefulness, complexity and presentation of the reports must be considered. |  |  |  |  |  |  |
| 10% |  |  |  |  |  |  |
| 8  (CLO 2) | | | Extra Effort | 10% | * Sequences, indexes, views, output formatting, exceptions and/or functions, must be incorporated where necessary. * Usefulness and application of each of the above to enhance the efficiency and effectiveness of the information system must be considered. * Linking of all the tasks of every team member in creating a quality information system must be considered. |  |  |  |  |  |  |
| 9  (CLO 3) | | | Presentation & Participation | 15% | * Run the single script file from Task 2 – 3 to create the new system database on the lab server. * Individual presentation on Task 4 – 8. * Q & A * Actively participate in class discussion. |  |  |  |  |  |  |
| **Assignment Marks / 100** | | | | |  |  |  |  |  |  |  |

\*CLO 1: Develop the relational database system with the appropriate integrity constraints and security control. (P3, PLO3)

\*CLO 2: Design the solutions to issues pertaining to database efficiency and effectiveness using appropriate techniques. (C4, PLO2)

\*CLO 3: Extract information from the database using efficient SQL query construct. (C4, PLO6)

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## Chapter 1 Background of the System

### 1.1 Type of System

**Title: Library Management System (Fine waiver campaigns promotions)**

The Library Management System streamlines library operations by automating membership registration, book borrowing, fine processing, and search functionalities. It tracks membership validity, due dates, and overdue books while allowing members to reserve books and extend loan periods.

A key feature is Fine Waiver Campaigns Promotions, enabling libraries to offer seasonal or promotional fee waivers, encouraging timely book returns and increased engagement. The system also includes advanced search options to enhance user experience. Overall, it improves efficiency and simplifies library management.

### 1.2 List of Modules

1. Membership Registration

2. Track membership validity.

3. Borrowing and returning process.

4. Allow members to reserve books.

5. Track due dates and overdue books.

6. Process fines (calculate late fees payment).

7. Generate fine invoices for members.

8. Extend the book loan period.

9. Enable advanced search options for books (e.g., by genre, publication year, popularity).

10. Fine waiver campaign promotions (e.g., late fee waivers, Seasonal Waiver (library month, library anniversary, reading month, and membership achievement)).

## Chapter 2 Entity-Relationship Modeling

## 

### 2.1 Business Rules and Assumptions

**Business Rules**

1. Only members with active membership validity are allowed to borrow books.

2. A member can have a maximum of three books borrowed at any given time. The system will prevent additional borrowing beyond this limit. Once a book is returned, the member can borrow again as long as they do not exceed the limit.

3. If a book is not returned by the due date, it is marked as overdue.

4. If the book is not returned within 7 days after the due date, a fine is automatically calculated based on the late return policy. The fine increases daily for up to 7 days.

5. If a fine remains unpaid after 7 days, the system will mark the member as 'Suspended', preventing them from borrowing or reserving books until the fine is cleared.

6. A member can have a maximum of three active reservations at any given time.

7. A reservation is valid for a maximum period of 3 days from the date of reservation. If the reservation is not fulfilled within this time, the system will automatically cancel it and release the book for others.

8. If a member wants to reactivate their membership validity, they must pay all outstanding fines plus a punishment fee. The system will mark them as 'Active' after successful payment.

9. If a book is lost or damaged, the member must pay the replacement cost, which is determined based on the book's original price. The member's account will remain suspended until the payment is completed.

10. Each member can only use a specific campaign promotion for their fine once.

11. A book loan can only be extended for exactly 7 days. No other extension duration is allowed.

12. Any transaction completed by a member is non-refundable.

**Assumptions**

1. Each member is uniquely identified by MemberID and must register before using any service.

2. Each book can have multiple copies identified by BookCopyID, but ISBN remains the same.

3. Members can only reserve books that are not currently borrowed or already reserved.

4. One member can have multiple fines, but only unpaid fines affect borrowing status.

5. A reservation automatically expires after 3 days if not collected.

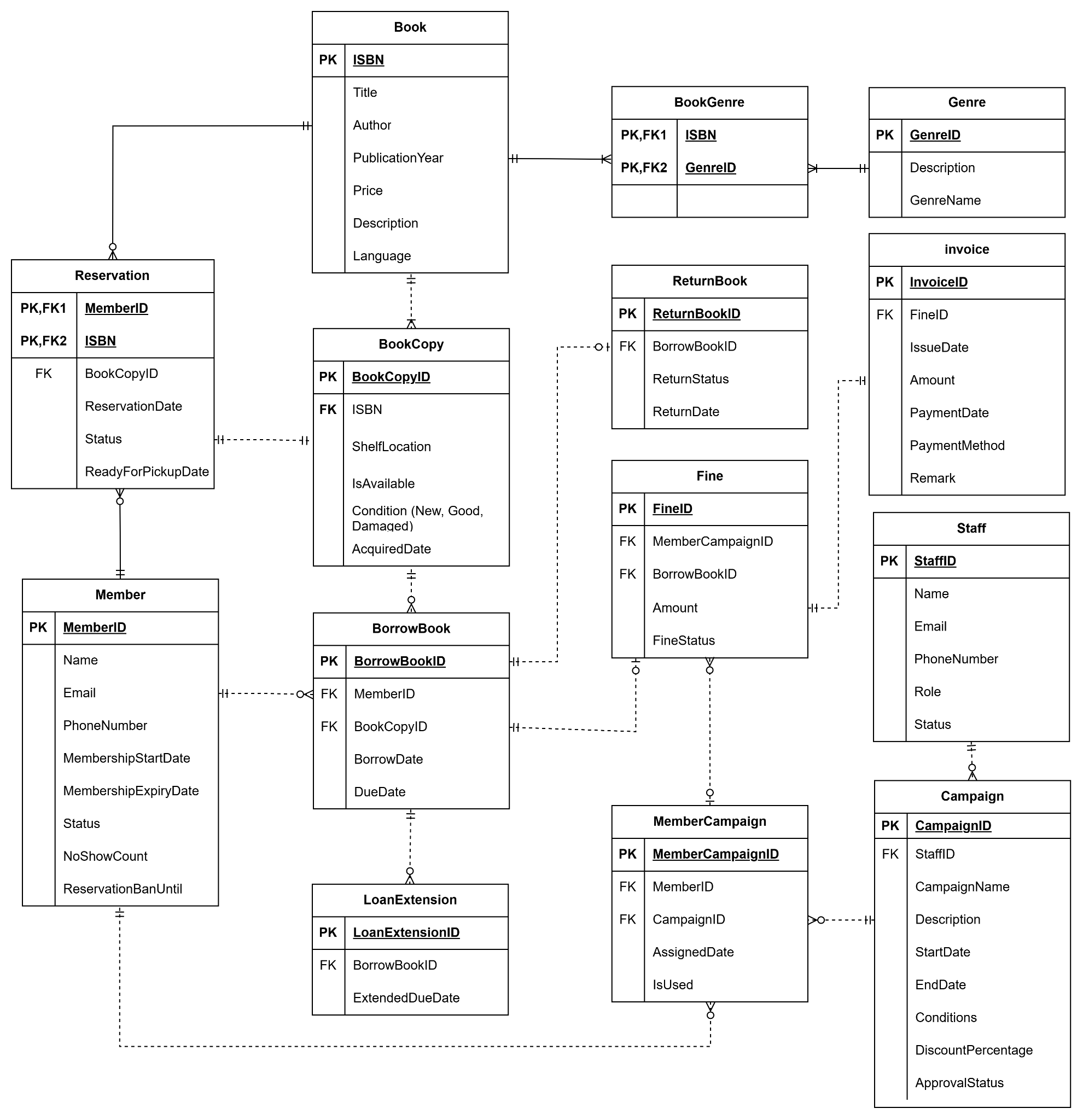
6. Staff are responsible for updating return status and issuing fines.

7. Each fine is linked to exactly one borrow transaction.

8. Only active members are allowed to reserve or borrow books.

### 

### 2.2 [ERD](https://drive.google.com/file/d/1w-REcHpTlb1xCgbbdVC5fNsXbNJIO1vX/view?usp=sharing)



## Chapter 3 Data Definition

### 3.1 CREATE TABLE Statements

CREATE TABLE Member (

MemberID VARCHAR(6) PRIMARY KEY CONSTRAINT MemberID\_Format CHECK (REGEXP\_LIKE(MemberID, '^M[0-9]{5}$')),

Name VARCHAR(50) NOT NULL,

Email VARCHAR(50) CONSTRAINT Email\_Format CHECK (REGEXP\_LIKE(Email, '^[A-Za-z0-9.\_%+-]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,}$')),

PhoneNumber VARCHAR(12),

MembershipStartDate DATE DEFAULT SYSDATE,

MembershipExpiryDate DATE,

Status VARCHAR2(10) DEFAULT 'Active' CHECK (Status IN ('Active', 'Inactive')),

NoShowCount NUMBER DEFAULT 0 CHECK (NoShowCount >= 0),

ReservationBanUntil DATE

);

CREATE TABLE Book (

ISBN VARCHAR(15) PRIMARY KEY,

Title VARCHAR(50) NOT NULL,

Author VARCHAR(50),

PublicationYear NUMBER(4),

Price NUMBER(6,2),

Description VARCHAR(500),

Language VARCHAR(30)

);

CREATE TABLE BookCopy (

BookCopyID VARCHAR2(7) PRIMARY KEY CONSTRAINT BookCopyID\_Format CHECK (REGEXP\_LIKE(BookCopyID, '^BC[0-9]{5}$')),

ISBN VARCHAR(15) NOT NULL,

ShelfLocation VARCHAR(50),

IsAvailable CHAR(1) DEFAULT 'Y' CHECK (IsAvailable IN ('Y', 'N')),

Condition VARCHAR2(10) CHECK (Condition IN ('New', 'Good', 'Damaged')),

AcquiredDate DATE,

FOREIGN KEY (ISBN) REFERENCES Book(ISBN)

);

CREATE TABLE Reservation (

MemberID VARCHAR2(6),

ReadyForPickupDate DATE DEFAULT NULL,

ISBN VARCHAR2(15),

BookCopyID VARCHAR2(10) DEFAULT NULL,

ReservationDate DATE DEFAULT SYSDATE,

Status VARCHAR2(25) DEFAULT 'Pending' CHECK (Status IN ('Ready for Pickup', 'Collected', 'Expired','Pending')),

PRIMARY KEY (MemberID, ISBN),

FOREIGN KEY (MemberID) REFERENCES Member(MemberID),

FOREIGN KEY (ISBN) REFERENCES Book(ISBN),

FOREIGN KEY (BookCopyID) REFERENCES BookCopy(BookCopyID)

);

CREATE TABLE BorrowBook (

BorrowBookID VARCHAR2(7) PRIMARY KEY CHECK (REGEXP\_LIKE(BorrowBookID, '^(BB|RC)[0-9]{5}$')),

MemberID VARCHAR2(6) NOT NULL,

BookCopyID VARCHAR2(7) NOT NULL,

BorrowDate DATE DEFAULT SYSDATE,

DueDate DATE,

FOREIGN KEY (MemberID) REFERENCES Member(MemberID),

FOREIGN KEY (BookCopyID) REFERENCES BookCopy(BookCopyID)

);

CREATE TABLE LoanExtension (

LoanExtensionID VARCHAR(10) PRIMARY KEY CHECK (REGEXP\_LIKE(LoanExtensionID, '^LE[0-9]{8}$')),

BorrowBookID VARCHAR(7) NOT NULL,

ExtendedDueDate DATE NOT NULL,

FOREIGN KEY (BorrowBookID) REFERENCES BorrowBook(BorrowBookID)

);

CREATE TABLE ReturnBook (

ReturnBookID VARCHAR2(7) PRIMARY KEY CHECK (REGEXP\_LIKE(ReturnBookID, '^RB[0-9]{5}$')),

BorrowBookID VARCHAR2(7) NOT NULL,

ReturnStatus VARCHAR2(10) CHECK (ReturnStatus IN ('On Time', 'Late', 'Lost')),

ReturnDate DATE,

FOREIGN KEY (BorrowBookID) REFERENCES BorrowBook(BorrowBookID)

);

CREATE TABLE Staff (

StaffID VARCHAR2(8) NOT NULL PRIMARY KEY CONSTRAINT chk\_staffid\_format CHECK (REGEXP\_LIKE(StaffID, '^STF[0-9]{5}$')),

Name VARCHAR2(100) NOT NULL,

Email VARCHAR2(100) NOT NULL CONSTRAINT chk\_email\_format CHECK (REGEXP\_LIKE(Email, '^[A-Za-z0-9.\_%+-]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,}$')),

PhoneNumber VARCHAR2(20) NOT NULL CONSTRAINT chk\_phone\_format CHECK (REGEXP\_LIKE(PhoneNumber, '^[0-9]{10,11}$')),

Role VARCHAR2(20) NOT NULL,

Status VARCHAR2(10) DEFAULT 'Active' CHECK (Status IN ('Active', 'Inactive'))

);

CREATE TABLE Campaign (

CampaignID VARCHAR2(8) NOT NULL CONSTRAINT chk\_campaignid\_format CHECK (REGEXP\_LIKE(CampaignID, '^CMP[0-9]{5}$')),

StaffID VARCHAR2(8) NOT NULL,

CampaignName VARCHAR2(100) NOT NULL,

CampaignType VARCHAR2(20) NOT NULL,

Description VARCHAR2(300) NOT NULL,

StartDate DATE NOT NULL,

EndDate DATE NOT NULL,

Conditions VARCHAR2(200),

DiscountPercentage NUMBER(5,2) NOT NULL,

ApprovalStatus VARCHAR2(15) DEFAULT 'Pending'

CHECK (ApprovalStatus IN ('Pending', 'Approved', 'Rejected')),

ApprovedByStaffID VARCHAR2(10),

ApprovalDate DATE,

PRIMARY KEY (CampaignID),

FOREIGN KEY (StaffID) REFERENCES Staff(StaffID),

FOREIGN KEY (ApprovedByStaffID) REFERENCES Staff(StaffID)

);

CREATE SEQUENCE member\_campaign\_seq

START WITH 1

INCREMENT BY 1

NOCACHE

NOCYCLE;

CREATE TABLE MemberCampaign (

MemberCampaignId VARCHAR2(7) PRIMARY KEY,

MemberId VARCHAR2(10),

CampaignId VARCHAR2(10),

AssignedDate DATE DEFAULT SYSDATE,

IsUsed CHAR(1) DEFAULT 'N' CHECK (IsUsed IN ('Y', 'N')),

FOREIGN KEY (MemberId) REFERENCES Member(MemberId),

FOREIGN KEY (CampaignId) REFERENCES Campaign(CampaignId)

);

CREATE OR REPLACE TRIGGER trg\_member\_campaign\_id

BEFORE INSERT ON MemberCampaign

FOR EACH ROW

DECLARE

seq\_num NUMBER;

BEGIN

seq\_num := member\_campaign\_seq.NEXTVAL;

:NEW.MemberCampaignId := 'MC' || LPAD(seq\_num, 5, '0');

END;

/

CREATE TABLE Fine (

FineID VARCHAR2(6) PRIMARY KEY CONSTRAINT chk\_fineid\_format CHECK (REGEXP\_LIKE(FineID, '^F[0-9]{5}$')),

MemberCampaignID VARCHAR2(7),

BorrowBookID VARCHAR2(7) NOT NULL,

Amount NUMBER(8,2),

PaymentDate DATE,

FineStatus VARCHAR2(15) CHECK (FineStatus IN ('Unpaid', 'Paid')),

FOREIGN KEY (MemberCampaignID) REFERENCES MemberCampaign(MemberCampaignID),

FOREIGN KEY (BorrowBookID) REFERENCES BorrowBook(BorrowBookID)

);

CREATE TABLE Invoice (

InvoiceID VARCHAR2(8) NOT NULL PRIMARY KEY CONSTRAINT chk\_invoiceid\_format CHECK (REGEXP\_LIKE(InvoiceID, '^INV[0-9]{5}$')),

FineID VARCHAR2(6),

IssueDate DATE DEFAULT SYSDATE,

Amount NUMBER(8,2),

PaymentDate DATE,

PaymentMethod VARCHAR2(20),

Remark VARCHAR2(100),

FOREIGN KEY (FineID) REFERENCES Fine(FineID)

);

CREATE TABLE Genre (

GenreID VARCHAR2(6) PRIMARY KEY CONSTRAINT GenreID\_Format CHECK (REGEXP\_LIKE(GenreID, '^G[0-9]{5}$')),

GenreName VARCHAR2(50),

Description VARCHAR2(100)

);

CREATE TABLE BookGenre (

ISBN VARCHAR2(15),

GenreID VARCHAR2(6),

PRIMARY KEY (ISBN, GenreID),

FOREIGN KEY (ISBN) REFERENCES Book(ISBN),

FOREIGN KEY (GenreID) REFERENCES Genre(GenreID)

);

### 3.2 Sample Records

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00001', 'Victor', 'victor@example.com', '0178904855', TO\_DATE('2021-04-22', 'YYYY-MM-DD'), TO\_DATE('2024-04-21', 'YYYY-MM-DD'), 'Active', 5, TO\_DATE('2021-07-21', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00002', 'Wendy', 'wendy@example.com', '0167390426', TO\_DATE('2022-10-28', 'YYYY-MM-DD'), TO\_DATE('2025-10-27', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00003', 'Victor', 'victor1@example.com', '0193945393', TO\_DATE('2021-06-22', 'YYYY-MM-DD'), TO\_DATE('2024-06-21', 'YYYY-MM-DD'), 'Inactive', 5, TO\_DATE('2021-09-20', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00004', 'Grace', 'grace@example.com', '0189194205', TO\_DATE('2022-08-04', 'YYYY-MM-DD'), TO\_DATE('2025-08-03', 'YYYY-MM-DD'), 'Inactive', 4, TO\_DATE('2022-11-02', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00005', 'Helen', 'helen@example.com', '0180327184', TO\_DATE('2022-10-20', 'YYYY-MM-DD'), TO\_DATE('2025-10-19', 'YYYY-MM-DD'), 'Active', 3, TO\_DATE('2023-01-18', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00006', 'Eva', 'eva@example.com', '0152192993', TO\_DATE('2022-01-12', 'YYYY-MM-DD'), TO\_DATE('2025-01-11', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00007', 'Oscar', 'oscar@example.com', '0195193718', TO\_DATE('2022-04-12', 'YYYY-MM-DD'), TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00008', 'Tina', 'tina@example.com', '0127521328', TO\_DATE('2021-11-01', 'YYYY-MM-DD'), TO\_DATE('2024-10-31', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00009', 'Yara', 'yara@example.com', '0128138995', TO\_DATE('2022-01-01', 'YYYY-MM-DD'), TO\_DATE('2024-12-31', 'YYYY-MM-DD'), 'Active', 3, TO\_DATE('2022-04-01', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00010', 'Pam', 'pam@example.com', '0172711347', TO\_DATE('2022-07-05', 'YYYY-MM-DD'), TO\_DATE('2025-07-04', 'YYYY-MM-DD'), 'Active', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00011', 'Oscar', 'oscar1@example.com', '0129604083', TO\_DATE('2021-05-24', 'YYYY-MM-DD'), TO\_DATE('2024-05-23', 'YYYY-MM-DD'), 'Inactive', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00012', 'Bob', 'bob@example.com', '0147968636', TO\_DATE('2022-02-15', 'YYYY-MM-DD'), TO\_DATE('2025-02-14', 'YYYY-MM-DD'), 'Active', 3, TO\_DATE('2022-05-16', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00013', 'Xander', 'xander@example.com', '0194057338', TO\_DATE('2021-07-12', 'YYYY-MM-DD'), TO\_DATE('2024-07-11', 'YYYY-MM-DD'), 'Inactive', 5, TO\_DATE('2021-10-10', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00014', 'Quinn', 'quinn@example.com', '0178010827', TO\_DATE('2022-11-28', 'YYYY-MM-DD'), TO\_DATE('2025-11-27', 'YYYY-MM-DD'), 'Inactive', 4, TO\_DATE('2023-02-26', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00015', 'Mike', 'mike@example.com', '0193159480', TO\_DATE('2021-04-06', 'YYYY-MM-DD'), TO\_DATE('2024-04-05', 'YYYY-MM-DD'), 'Active', 4, TO\_DATE('2021-07-05', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00016', 'Sam', 'sam@example.com', '0163800905', TO\_DATE('2022-08-25', 'YYYY-MM-DD'), TO\_DATE('2025-08-24', 'YYYY-MM-DD'), 'Inactive', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00017', 'Xander', 'xander1@example.com', '0169507523', TO\_DATE('2021-08-17', 'YYYY-MM-DD'), TO\_DATE('2024-08-16', 'YYYY-MM-DD'), 'Inactive', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00018', 'Tina', 'tina1@example.com', '0125031486', TO\_DATE('2022-04-11', 'YYYY-MM-DD'), TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00019', 'Nina', 'nina@example.com', '0198499744', TO\_DATE('2021-12-05', 'YYYY-MM-DD'), TO\_DATE('2024-12-04', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00020', 'Grace', 'grace1@example.com', '0183015045', TO\_DATE('2022-06-30', 'YYYY-MM-DD'), TO\_DATE('2025-06-29', 'YYYY-MM-DD'), 'Active', 3, TO\_DATE('2022-09-28', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00021', 'Zane', 'zane@example.com', '0164888324', TO\_DATE('2021-07-10', 'YYYY-MM-DD'), TO\_DATE('2024-07-09', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00022', 'Rachel', 'rachel@example.com', '0178352520', TO\_DATE('2022-06-25', 'YYYY-MM-DD'), TO\_DATE('2025-06-24', 'YYYY-MM-DD'), 'Inactive', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00023', 'Laura', 'laura@example.com', '0139263619', TO\_DATE('2022-06-08', 'YYYY-MM-DD'), TO\_DATE('2025-06-07', 'YYYY-MM-DD'), 'Inactive', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00024', 'Sam', 'sam1@example.com', '0124433558', TO\_DATE('2022-03-17', 'YYYY-MM-DD'), TO\_DATE('2025-03-16', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00025', 'Frank', 'frank@example.com', '0186670830', TO\_DATE('2022-09-15', 'YYYY-MM-DD'), TO\_DATE('2025-09-14', 'YYYY-MM-DD'), 'Active', 5, TO\_DATE('2022-12-14', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00026', 'Wendy', 'wendy1@example.com', '0165784498', TO\_DATE('2021-01-09', 'YYYY-MM-DD'), TO\_DATE('2024-01-09', 'YYYY-MM-DD'), 'Inactive', 3, TO\_DATE('2021-04-09', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00027', 'Eva', 'eva1@example.com', '0118254897', TO\_DATE('2022-11-03', 'YYYY-MM-DD'), TO\_DATE('2025-11-02', 'YYYY-MM-DD'), 'Active', 5, TO\_DATE('2023-02-01', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00028', 'Kevin', 'kevin@example.com', '0193627787', TO\_DATE('2021-05-06', 'YYYY-MM-DD'), TO\_DATE('2024-05-05', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00029', 'Julia', 'julia@example.com', '0111714036', TO\_DATE('2021-06-23', 'YYYY-MM-DD'), TO\_DATE('2024-06-22', 'YYYY-MM-DD'), 'Inactive', 3, TO\_DATE('2021-09-21', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00030', 'David', 'david@example.com', '0187416813', TO\_DATE('2021-09-25', 'YYYY-MM-DD'), TO\_DATE('2024-09-24', 'YYYY-MM-DD'), 'Inactive', 4, TO\_DATE('2021-12-24', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00031', 'Isaac', 'isaac@example.com', '0197008390', TO\_DATE('2021-12-15', 'YYYY-MM-DD'), TO\_DATE('2024-12-14', 'YYYY-MM-DD'), 'Inactive', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00032', 'Kevin', 'kevin1@example.com', '0169620698', TO\_DATE('2022-10-05', 'YYYY-MM-DD'), TO\_DATE('2025-10-04', 'YYYY-MM-DD'), 'Inactive', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00033', 'Uma', 'uma@example.com', '0172540300', TO\_DATE('2021-08-14', 'YYYY-MM-DD'), TO\_DATE('2024-08-13', 'YYYY-MM-DD'), 'Inactive', 4, TO\_DATE('2021-11-12', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00034', 'Quinn', 'quinn1@example.com', '0188421914', TO\_DATE('2021-08-16', 'YYYY-MM-DD'), TO\_DATE('2024-08-15', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00035', 'Frank', 'frank1@example.com', '0191958677', TO\_DATE('2021-08-12', 'YYYY-MM-DD'), TO\_DATE('2024-08-11', 'YYYY-MM-DD'), 'Inactive', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00036', 'Julia', 'julia1@example.com', '0197132529', TO\_DATE('2021-11-30', 'YYYY-MM-DD'), TO\_DATE('2024-11-29', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00037', 'Alice', 'alice@example.com', '0145912951', TO\_DATE('2022-02-27', 'YYYY-MM-DD'), TO\_DATE('2025-02-26', 'YYYY-MM-DD'), 'Inactive', 4, TO\_DATE('2022-05-28', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00038', 'Rachel', 'rachel1@example.com', '0156269763', TO\_DATE('2021-11-19', 'YYYY-MM-DD'), TO\_DATE('2024-11-18', 'YYYY-MM-DD'), 'Active', 3, TO\_DATE('2022-02-17', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00039', 'Alice', 'alice1@example.com', '0120700973', TO\_DATE('2021-05-11', 'YYYY-MM-DD'), TO\_DATE('2024-05-10', 'YYYY-MM-DD'), 'Active', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00040', 'Helen', 'helen1@example.com', '0171259676', TO\_DATE('2021-04-20', 'YYYY-MM-DD'), TO\_DATE('2024-04-19', 'YYYY-MM-DD'), 'Inactive', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00041', 'Pam', 'pam1@example.com', '0193177738', TO\_DATE('2021-07-24', 'YYYY-MM-DD'), TO\_DATE('2024-07-23', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00042', 'Charlie', 'charlie@example.com', '0153536689', TO\_DATE('2022-03-12', 'YYYY-MM-DD'), TO\_DATE('2025-03-11', 'YYYY-MM-DD'), 'Inactive', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00043', 'Laura', 'laura1@example.com', '0150368459', TO\_DATE('2021-09-30', 'YYYY-MM-DD'), TO\_DATE('2024-09-29', 'YYYY-MM-DD'), 'Inactive', 5, TO\_DATE('2021-12-29', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00044', 'Isaac', 'isaac1@example.com', '0185958639', TO\_DATE('2022-08-26', 'YYYY-MM-DD'), TO\_DATE('2025-08-25', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00045', 'Charlie', 'charlie1@example.com', '0167997263', TO\_DATE('2021-05-04', 'YYYY-MM-DD'), TO\_DATE('2024-05-03', 'YYYY-MM-DD'), 'Active', 1, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00046', 'Bob', 'bob1@example.com', '0164577400', TO\_DATE('2021-08-29', 'YYYY-MM-DD'), TO\_DATE('2024-08-28', 'YYYY-MM-DD'), 'Active', 4, TO\_DATE('2021-11-27', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00047', 'Nina', 'nina1@example.com', '0187125510', TO\_DATE('2021-10-16', 'YYYY-MM-DD'), TO\_DATE('2024-10-15', 'YYYY-MM-DD'), 'Active', 0, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00048', 'Uma', 'uma1@example.com', '0195247502', TO\_DATE('2021-04-06', 'YYYY-MM-DD'), TO\_DATE('2024-04-05', 'YYYY-MM-DD'), 'Inactive', 3, TO\_DATE('2021-07-05', 'YYYY-MM-DD'));

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00049', 'Mike', 'mike1@example.com', '0136051970', TO\_DATE('2022-11-29', 'YYYY-MM-DD'), TO\_DATE('2025-11-28', 'YYYY-MM-DD'), 'Active', 2, NULL);

INSERT INTO Member (MemberID, Name, Email, PhoneNumber, MembershipStartDate, MembershipExpiryDate, Status, NoShowCount, ReservationBanUntil) VALUES ('M00050', 'David', 'david1@example.com', '0172119414', TO\_DATE('2022-08-04', 'YYYY-MM-DD'), TO\_DATE('2025-08-03', 'YYYY-MM-DD'), 'Inactive', 3, TO\_DATE('2022-11-02', 'YYYY-MM-DD'));

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978918486085683', 'Mobile App Dev 5', 'John Smith', 2007, 45.56, 'This is a book about mobile app dev 5.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978653049967802', 'Python Essentials 4', 'John Smith', 2013, 44.41, 'This is a book about python essentials 4.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978160167712882', 'Python Essentials 5', 'Emily Chan', 2010, 112.81, 'This is a book about python essentials 5.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978118598993540', 'Cloud Computing 3', 'Jane Doe', 2002, 27.84, 'This is a book about cloud computing 3.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978413383564627', 'Python Essentials 3', 'Michael Lee', 2004, 34.39, 'This is a book about python essentials 3.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978582818734182', 'Software Engineering 4', 'Michael Lee', 2002, 109.47, 'This is a book about software engineering 4.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978399319494707', 'Software Engineering 1', 'Michael Lee', 2024, 31.48, 'This is a book about software engineering 1.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978647894640884', 'Operating Systems 2', 'Jane Doe', 2011, 138.39, 'This is a book about operating systems 2.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978967503790845', 'Cloud Computing 2', 'Alice Tan', 2001, 37.05, 'This is a book about cloud computing 2.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978196740169139', 'Cybersecurity 101 4', 'John Smith', 2018, 65.19, 'This is a book about cybersecurity 101 4.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978110985905744', 'Cybersecurity 101 2', 'Alice Tan', 2020, 77.73, 'This is a book about cybersecurity 101 2.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978414191980380', 'Database Design 1', 'Jane Doe', 2021, 42.57, 'This is a book about database design 1.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978108081334896', 'AI Basics 5', 'Michael Lee', 2009, 22.88, 'This is a book about ai basics 5.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978240461922119', 'Python Essentials 5', 'Michael Lee', 2015, 97.96, 'This is a book about python essentials 5.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978669394297950', 'Operating Systems 2', 'Alice Tan', 2015, 142.3, 'This is a book about operating systems 2.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978860405874562', 'Mobile App Dev 1', 'Jane Doe', 2021, 118.32, 'This is a book about mobile app dev 1.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978187478216498', 'AI Basics 2', 'Emily Chan', 2003, 147.84, 'This is a book about ai basics 2.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978431022003932', 'AI Basics 2', 'Michael Lee', 2019, 130.56, 'This is a book about ai basics 2.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978389148186586', 'Operating Systems 5', 'Jane Doe', 2009, 136.56, 'This is a book about operating systems 5.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978834650104565', 'Cybersecurity 101 5', 'Michael Lee', 2021, 57.02, 'This is a book about cybersecurity 101 5.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978307818239731', 'Cloud Computing 4', 'John Smith', 2018, 115.41, 'This is a book about cloud computing 4.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978106967995749', 'Operating Systems 2', 'Emily Chan', 2014, 82.57, 'This is a book about operating systems 2.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978374945611267', 'Web Development 3', 'Alice Tan', 2011, 20.94, 'This is a book about web development 3.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978300126240007', 'Database Design 2', 'Jane Doe', 2002, 100.77, 'This is a book about database design 2.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978422163244009', 'Python Essentials 2', 'Jane Doe', 2008, 97.49, 'This is a book about python essentials 2.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978263701729101', 'Python Essentials 3', 'Emily Chan', 2014, 30.8, 'This is a book about python essentials 3.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978396733209342', 'Software Engineering 3', 'Jane Doe', 2002, 44.33, 'This is a book about software engineering 3.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978930468382419', 'Operating Systems 5', 'Alice Tan', 2004, 126.56, 'This is a book about operating systems 5.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978527703449123', 'Cloud Computing 2', 'John Smith', 2009, 120.74, 'This is a book about cloud computing 2.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978949147054427', 'Web Development 3', 'Emily Chan', 2006, 40.03, 'This is a book about web development 3.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978210701261571', 'Cybersecurity 101 1', 'Emily Chan', 2017, 88.37, 'This is a book about cybersecurity 101 1.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978565523649203', 'Cloud Computing 5', 'John Smith', 2010, 41.95, 'This is a book about cloud computing 5.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978248706205361', 'Database Design 1', 'Michael Lee', 2020, 52.2, 'This is a book about database design 1.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978770200228980', 'Mobile App Dev 4', 'Alice Tan', 2019, 55.44, 'This is a book about mobile app dev 4.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978992277455087', 'Web Development 5', 'Michael Lee', 2015, 35.81, 'This is a book about web development 5.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978799142834427', 'Database Design 2', 'Michael Lee', 2006, 95.47, 'This is a book about database design 2.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978756814510443', 'Database Design 1', 'John Smith', 2003, 104.03, 'This is a book about database design 1.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978125089731809', 'Database Design 2', 'Jane Doe', 2015, 36.41, 'This is a book about database design 2.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978430224098240', 'Software Engineering 4', 'Jane Doe', 2018, 79.21, 'This is a book about software engineering 4.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978358664446579', 'Cybersecurity 101 5', 'John Smith', 2004, 123.42, 'This is a book about cybersecurity 101 5.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978649100501508', 'Mobile App Dev 5', 'Emily Chan', 2018, 142.63, 'This is a book about mobile app dev 5.', 'Chinese');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978327257449613', 'Python Essentials 2', 'Michael Lee', 2000, 85.76, 'This is a book about python essentials 2.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978209939785296', 'Operating Systems 5', 'Alice Tan', 2023, 141.46, 'This is a book about operating systems 5.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978281281973001', 'Web Development 4', 'Emily Chan', 2006, 73.63, 'This is a book about web development 4.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978420057966693', 'AI Basics 2', 'John Smith', 2019, 88.11, 'This is a book about ai basics 2.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978190029955127', 'Intro to Java 2', 'Emily Chan', 2017, 93.1, 'This is a book about intro to java 2.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978960126264520', 'Software Engineering 3', 'Michael Lee', 2004, 126.57, 'This is a book about software engineering 3.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978100849738142', 'Cybersecurity 101 1', 'Alice Tan', 2000, 52.13, 'This is a book about cybersecurity 101 1.', 'English');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978344477681286', 'Database Design 1', 'John Smith', 2018, 143.19, 'This is a book about database design 1.', 'Malay');

INSERT INTO Book (ISBN, Title, Author, PublicationYear, Price, Description, Language) VALUES ('978802533807786', 'Database Design 5', 'Alice Tan', 2017, 112.62, 'This is a book about database design 5.', 'Malay');

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00001', '978918486085683', 'Shelf-18', 'N', 'Damaged', TO\_DATE('2025-03-06', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00002', '978653049967802', 'Shelf-12', 'N', 'Damaged', TO\_DATE('2025-01-04', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00003', '978160167712882', 'Shelf-13', 'Y', 'New', TO\_DATE('2025-01-10', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00004', '978160167712882', 'Shelf-10', 'Y', 'New', TO\_DATE('2025-02-13', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00005', '978160167712882', 'Shelf-14', 'N', 'Damaged', TO\_DATE('2025-02-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00006', '978118598993540', 'Shelf-15', 'N', 'Damaged', TO\_DATE('2025-01-09', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00007', '978413383564627', 'Shelf-14', 'N', 'Damaged', TO\_DATE('2025-01-12', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00008', '978413383564627', 'Shelf-7', 'Y', 'New', TO\_DATE('2025-03-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00009', '978413383564627', 'Shelf-13', 'Y', 'Good', TO\_DATE('2025-02-13', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00010', '978582818734182', 'Shelf-4', 'Y', 'Good', TO\_DATE('2025-02-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00011', '978582818734182', 'Shelf-12', 'N', 'New', TO\_DATE('2025-02-09', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00012', '978399319494707', 'Shelf-8', 'N', 'Damaged', TO\_DATE('2025-03-21', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00013', '978399319494707', 'Shelf-18', 'N', 'Damaged', TO\_DATE('2025-03-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00014', '978647894640884', 'Shelf-19', 'N', 'Damaged', TO\_DATE('2025-02-12', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00015', '978967503790845', 'Shelf-4', 'Y', 'New', TO\_DATE('2025-02-20', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00016', '978196740169139', 'Shelf-13', 'N', 'Damaged', TO\_DATE('2025-03-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00017', '978196740169139', 'Shelf-5', 'Y', 'Good', TO\_DATE('2025-02-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00018', '978110985905744', 'Shelf-1', 'N', 'New', TO\_DATE('2025-01-15', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00019', '978414191980380', 'Shelf-11', 'N', 'Damaged', TO\_DATE('2025-02-28', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00020', '978414191980380', 'Shelf-16', 'N', 'New', TO\_DATE('2025-02-10', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00021', '978414191980380', 'Shelf-5', 'N', 'Good', TO\_DATE('2025-02-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00022', '978108081334896', 'Shelf-15', 'N', 'Damaged', TO\_DATE('2025-02-19', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00023', '978108081334896', 'Shelf-16', 'N', 'Damaged', TO\_DATE('2025-01-21', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00024', '978240461922119', 'Shelf-14', 'Y', 'Good', TO\_DATE('2025-01-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00025', '978669394297950', 'Shelf-8', 'N', 'Damaged', TO\_DATE('2025-02-08', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00026', '978669394297950', 'Shelf-16', 'Y', 'New', TO\_DATE('2025-02-20', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00027', '978860405874562', 'Shelf-20', 'Y', 'New', TO\_DATE('2025-02-07', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00028', '978860405874562', 'Shelf-1', 'N', 'Damaged', TO\_DATE('2025-01-26', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00029', '978860405874562', 'Shelf-3', 'N', 'New', TO\_DATE('2025-01-21', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00030', '978187478216498', 'Shelf-7', 'N', 'Damaged', TO\_DATE('2025-02-22', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00031', '978187478216498', 'Shelf-7', 'N', 'Damaged', TO\_DATE('2025-01-06', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00032', '978187478216498', 'Shelf-18', 'Y', 'Good', TO\_DATE('2025-02-01', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00033', '978431022003932', 'Shelf-16', 'N', 'Good', TO\_DATE('2025-01-08', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00034', '978431022003932', 'Shelf-9', 'Y', 'Good', TO\_DATE('2025-02-01', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00035', '978389148186586', 'Shelf-14', 'N', 'Good', TO\_DATE('2025-01-30', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00036', '978834650104565', 'Shelf-19', 'Y', 'New', TO\_DATE('2025-02-07', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00037', '978834650104565', 'Shelf-11', 'Y', 'New', TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00038', '978307818239731', 'Shelf-7', 'N', 'Damaged', TO\_DATE('2025-03-22', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00039', '978307818239731', 'Shelf-5', 'N', 'Good', TO\_DATE('2025-03-19', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00040', '978106967995749', 'Shelf-6', 'Y', 'Good', TO\_DATE('2025-03-15', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00041', '978106967995749', 'Shelf-13', 'N', 'Good', TO\_DATE('2025-02-21', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00042', '978106967995749', 'Shelf-4', 'N', 'Damaged', TO\_DATE('2025-01-31', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00043', '978374945611267', 'Shelf-11', 'Y', 'Good', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00044', '978374945611267', 'Shelf-19', 'N', 'Good', TO\_DATE('2025-01-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00045', '978374945611267', 'Shelf-8', 'Y', 'New', TO\_DATE('2025-01-14', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00046', '978300126240007', 'Shelf-2', 'Y', 'New', TO\_DATE('2025-02-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00047', '978300126240007', 'Shelf-11', 'Y', 'Good', TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00048', '978422163244009', 'Shelf-19', 'Y', 'New', TO\_DATE('2025-02-06', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00049', '978422163244009', 'Shelf-3', 'N', 'Damaged', TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00050', '978263701729101', 'Shelf-7', 'N', 'New', TO\_DATE('2025-02-28', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00051', '978263701729101', 'Shelf-16', 'N', 'Damaged', TO\_DATE('2025-03-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00052', '978263701729101', 'Shelf-20', 'Y', 'New', TO\_DATE('2025-01-26', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00053', '978396733209342', 'Shelf-12', 'Y', 'New', TO\_DATE('2025-01-26', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00054', '978396733209342', 'Shelf-10', 'Y', 'Good', TO\_DATE('2025-01-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00055', '978396733209342', 'Shelf-9', 'N', 'Damaged', TO\_DATE('2025-02-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00056', '978930468382419', 'Shelf-4', 'Y', 'New', TO\_DATE('2025-02-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00057', '978930468382419', 'Shelf-6', 'Y', 'New', TO\_DATE('2025-02-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00058', '978527703449123', 'Shelf-1', 'Y', 'New', TO\_DATE('2025-01-01', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00059', '978527703449123', 'Shelf-13', 'N', 'Damaged', TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00060', '978949147054427', 'Shelf-20', 'Y', 'New', TO\_DATE('2025-02-09', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00061', '978949147054427', 'Shelf-19', 'Y', 'New', TO\_DATE('2025-02-06', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00062', '978949147054427', 'Shelf-14', 'Y', 'New', TO\_DATE('2025-02-09', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00063', '978210701261571', 'Shelf-6', 'N', 'Damaged', TO\_DATE('2025-02-22', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00064', '978210701261571', 'Shelf-12', 'N', 'Damaged', TO\_DATE('2025-01-23', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00065', '978565523649203', 'Shelf-8', 'N', 'Damaged', TO\_DATE('2025-01-29', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00066', '978248706205361', 'Shelf-6', 'N', 'Damaged', TO\_DATE('2025-01-08', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00067', '978248706205361', 'Shelf-13', 'Y', 'New', TO\_DATE('2025-02-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00068', '978770200228980', 'Shelf-8', 'N', 'Damaged', TO\_DATE('2025-01-19', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00069', '978770200228980', 'Shelf-1', 'N', 'Damaged', TO\_DATE('2025-02-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00070', '978770200228980', 'Shelf-3', 'Y', 'Good', TO\_DATE('2025-03-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00071', '978992277455087', 'Shelf-7', 'Y', 'Good', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00072', '978992277455087', 'Shelf-1', 'Y', 'New', TO\_DATE('2025-03-30', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00073', '978799142834427', 'Shelf-14', 'N', 'Damaged', TO\_DATE('2025-01-12', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00074', '978799142834427', 'Shelf-12', 'Y', 'New', TO\_DATE('2025-01-12', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00075', '978756814510443', 'Shelf-10', 'N', 'Damaged', TO\_DATE('2025-02-05', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00076', '978756814510443', 'Shelf-8', 'Y', 'New', TO\_DATE('2025-01-11', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00077', '978125089731809', 'Shelf-9', 'N', 'Damaged', TO\_DATE('2025-02-06', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00078', '978125089731809', 'Shelf-12', 'N', 'New', TO\_DATE('2025-03-03', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00079', '978125089731809', 'Shelf-10', 'Y', 'New', TO\_DATE('2025-01-14', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00080', '978430224098240', 'Shelf-20', 'Y', 'New', TO\_DATE('2025-01-24', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00081', '978430224098240', 'Shelf-6', 'N', 'Damaged', TO\_DATE('2025-03-24', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00082', '978358664446579', 'Shelf-11', 'Y', 'New', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00083', '978649100501508', 'Shelf-18', 'N', 'Damaged', TO\_DATE('2025-02-15', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00084', '978327257449613', 'Shelf-20', 'Y', 'Good', TO\_DATE('2025-03-25', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00085', '978327257449613', 'Shelf-19', 'Y', 'New', TO\_DATE('2025-01-18', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00086', '978327257449613', 'Shelf-3', 'Y', 'Good', TO\_DATE('2025-01-27', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00087', '978209939785296', 'Shelf-16', 'N', 'Damaged', TO\_DATE('2025-01-26', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00088', '978209939785296', 'Shelf-19', 'N', 'Damaged', TO\_DATE('2025-02-13', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00089', '978209939785296', 'Shelf-11', 'Y', 'New', TO\_DATE('2025-02-18', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00090', '978281281973001', 'Shelf-1', 'Y', 'Good', TO\_DATE('2025-01-12', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00091', '978281281973001', 'Shelf-20', 'Y', 'Good', TO\_DATE('2025-01-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00092', '978420057966693', 'Shelf-4', 'Y', 'New', TO\_DATE('2025-02-16', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00093', '978420057966693', 'Shelf-18', 'Y', 'New', TO\_DATE('2025-03-17', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00094', '978190029955127', 'Shelf-12', 'Y', 'Good', TO\_DATE('2025-01-04', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00095', '978190029955127', 'Shelf-13', 'Y', 'Good', TO\_DATE('2025-02-17', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00096', '978190029955127', 'Shelf-19', 'N', 'Damaged', TO\_DATE('2025-01-28', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00097', '978960126264520', 'Shelf-20', 'N', 'Damaged', TO\_DATE('2025-01-07', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00098', '978960126264520', 'Shelf-9', 'Y', 'Good', TO\_DATE('2025-02-19', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00099', '978960126264520', 'Shelf-12', 'Y', 'Good', TO\_DATE('2025-03-07', 'YYYY-MM-DD'));

INSERT INTO BookCopy (BookCopyID, ISBN, ShelfLocation, IsAvailable, Condition, AcquiredDate) VALUES ('BC00100', '978100849738142', 'Shelf-4', 'N', 'Damaged', TO\_DATE('2025-03-31', 'YYYY-MM-DD'));

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', NULL, '978413383564627', 'BC00086', TO\_DATE('2024-01-15', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', TO\_DATE('2024-01-18', 'YYYY-MM-DD'), '978118598993540', 'BC00094', TO\_DATE('2024-01-17', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', NULL, '978647894640884', 'BC00045', TO\_DATE('2024-02-17', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', TO\_DATE('2024-06-04', 'YYYY-MM-DD'), '978431022003932', 'BC00057', TO\_DATE('2024-06-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', NULL, '978374945611267', 'BC00032', TO\_DATE('2024-03-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978399319494707', 'BC00020', TO\_DATE('2024-02-02', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978118598993540', 'BC00002', TO\_DATE('2024-02-28', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', TO\_DATE('2024-06-21', 'YYYY-MM-DD'), '978960126264520', 'BC00011', TO\_DATE('2024-06-20', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978106967995749', 'BC00042', TO\_DATE('2024-07-10', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978647894640884', 'BC00089', TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978653049967802', 'BC00036', TO\_DATE('2025-04-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978527703449123', 'BC00037', TO\_DATE('2025-04-29', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978281281973001', 'BC00083', TO\_DATE('2025-05-12', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978414191980380', 'BC00100', TO\_DATE('2025-02-15', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', NULL, '978802533807786', 'BC00099', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00002', TO\_DATE('2025-04-29', 'YYYY-MM-DD'), '978967503790845', 'BC00077', TO\_DATE('2024-09-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00003', TO\_DATE('2024-02-20', 'YYYY-MM-DD'), '978389148186586', 'BC00020', TO\_DATE('2024-02-19', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00003', TO\_DATE('2024-03-18', 'YYYY-MM-DD'), '978414191980380', 'BC00005', TO\_DATE('2024-03-17', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00003', NULL, '978802533807786', 'BC00059', TO\_DATE('2025-05-09', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00003', NULL, '978209939785296', 'BC00004', TO\_DATE('2025-05-02', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00003', NULL, '978196740169139', 'BC00055', TO\_DATE('2024-06-15', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', NULL, '978374945611267', 'BC00038', TO\_DATE('2025-05-16', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', NULL, '978413383564627', 'BC00036', TO\_DATE('2024-02-18', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', NULL, '978396733209342', 'BC00099', TO\_DATE('2024-05-17', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', NULL, '978420057966693', 'BC00079', TO\_DATE('2024-06-16', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', TO\_DATE('2024-09-11', 'YYYY-MM-DD'), '978160167712882', 'BC00070', TO\_DATE('2024-09-10', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00004', TO\_DATE('2025-02-22', 'YYYY-MM-DD'), '978399319494707', 'BC00020', TO\_DATE('2025-02-21', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978799142834427', 'BC00070', TO\_DATE('2024-01-06', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978100849738142', 'BC00087', TO\_DATE('2024-07-14', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978647894640884', 'BC00047', TO\_DATE('2024-07-30', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978834650104565', 'BC00047', TO\_DATE('2024-08-20', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978430224098240', 'BC00088', TO\_DATE('2024-09-11', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00005', NULL, '978422163244009', 'BC00039', TO\_DATE('2025-02-28', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978344477681286', 'BC00018', TO\_DATE('2025-05-02', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978834650104565', 'BC00058', TO\_DATE('2024-03-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978210701261571', 'BC00093', TO\_DATE('2024-03-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978431022003932', 'BC00075', TO\_DATE('2024-06-21', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978967503790845', 'BC00037', TO\_DATE('2025-05-07', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978420057966693', 'BC00075', TO\_DATE('2025-01-20', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00006', NULL, '978860405874562', 'BC00074', TO\_DATE('2025-05-09', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00007', NULL, '978430224098240', 'BC00064', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00007', NULL, '978389148186586', 'BC00021', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00007', NULL, '978160167712882', 'BC00020', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', TO\_DATE('2024-04-06', 'YYYY-MM-DD'), '978100849738142', 'BC00045', TO\_DATE('2024-04-05', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978307818239731', 'BC00037', TO\_DATE('2024-04-19', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978414191980380', 'BC00013', TO\_DATE('2024-07-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978799142834427', 'BC00043', TO\_DATE('2024-10-10', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978396733209342', 'BC00095', TO\_DATE('2024-12-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978422163244009', 'BC00065', TO\_DATE('2024-12-23', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', TO\_DATE('2024-12-27', 'YYYY-MM-DD'), '978413383564627', 'BC00097', TO\_DATE('2024-12-26', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978918486085683', 'BC00022', TO\_DATE('2025-01-16', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00008', NULL, '978930468382419', 'BC00047', TO\_DATE('2025-05-15', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00009', NULL, '978422163244009', 'BC00091', TO\_DATE('2024-10-30', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00009', NULL, '978108081334896', 'BC00039', TO\_DATE('2024-12-22', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978240461922119', 'BC00021', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978300126240007', 'BC00099', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978992277455087', 'BC00083', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978414191980380', 'BC00077', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978374945611267', 'BC00098', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978834650104565', 'BC00098', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), '978860405874562', 'BC00082', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), '978669394297950', 'BC00043', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00010', NULL, '978125089731809', 'BC00012', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00011', NULL, '978263701729101', 'BC00009', TO\_DATE('2024-01-04', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00011', NULL, '978399319494707', 'BC00028', TO\_DATE('2024-01-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00011', NULL, '978960126264520', 'BC00051', TO\_DATE('2024-04-21', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00011', NULL, '978307818239731', 'BC00011', TO\_DATE('2024-04-26', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00011', NULL, '978930468382419', 'BC00051', TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978108081334896', 'BC00058', TO\_DATE('2024-04-30', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978860405874562', 'BC00080', TO\_DATE('2024-05-11', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978930468382419', 'BC00002', TO\_DATE('2024-06-29', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978802533807786', 'BC00009', TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978647894640884', 'BC00097', TO\_DATE('2024-08-08', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978834650104565', 'BC00093', TO\_DATE('2024-10-18', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00012', NULL, '978106967995749', 'BC00010', TO\_DATE('2024-11-19', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00013', NULL, '978281281973001', 'BC00056', TO\_DATE('2024-03-06', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00013', NULL, '978263701729101', 'BC00082', TO\_DATE('2024-06-23', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00013', NULL, '978649100501508', 'BC00026', TO\_DATE('2024-10-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00013', TO\_DATE('2024-11-25', 'YYYY-MM-DD'), '978389148186586', 'BC00001', TO\_DATE('2024-11-24', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978414191980380', 'BC00056', TO\_DATE('2024-05-26', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978918486085683', 'BC00021', TO\_DATE('2024-07-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978358664446579', 'BC00032', TO\_DATE('2024-11-09', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978399319494707', 'BC00066', TO\_DATE('2024-11-19', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978669394297950', 'BC00009', TO\_DATE('2025-02-11', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00014', NULL, '978770200228980', 'BC00081', TO\_DATE('2025-02-21', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00015', NULL, '978431022003932', 'BC00089', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00015', NULL, '978422163244009', 'BC00039', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00015', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), '978669394297950', 'BC00077', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00015', NULL, '978307818239731', 'BC00030', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00015', NULL, '978396733209342', 'BC00092', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978422163244009', 'BC00064', TO\_DATE('2024-02-05', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978756814510443', 'BC00043', TO\_DATE('2024-03-27', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978358664446579', 'BC00045', TO\_DATE('2024-04-11', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978860405874562', 'BC00082', TO\_DATE('2024-05-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978834650104565', 'BC00029', TO\_DATE('2024-10-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978300126240007', 'BC00010', TO\_DATE('2024-10-12', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00016', NULL, '978118598993540', 'BC00061', TO\_DATE('2024-12-29', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00017', NULL, '978358664446579', 'BC00066', TO\_DATE('2024-10-11', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00018', NULL, '978210701261571', 'BC00073', TO\_DATE('2024-09-03', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00018', NULL, '978422163244009', 'BC00065', TO\_DATE('2024-09-21', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00018', TO\_DATE('2025-02-12', 'YYYY-MM-DD'), '978327257449613', 'BC00014', TO\_DATE('2025-02-11', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00018', TO\_DATE('2025-03-21', 'YYYY-MM-DD'), '978100849738142', 'BC00086', TO\_DATE('2025-03-20', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', NULL, '978756814510443', 'BC00074', TO\_DATE('2024-01-04', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', TO\_DATE('2024-01-17', 'YYYY-MM-DD'), '978100849738142', 'BC00011', TO\_DATE('2024-01-16', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', NULL, '978240461922119', 'BC00080', TO\_DATE('2024-07-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', NULL, '978802533807786', 'BC00027', TO\_DATE('2024-08-19', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', NULL, '978653049967802', 'BC00047', TO\_DATE('2024-10-30', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00019', TO\_DATE('2024-11-10', 'YYYY-MM-DD'), '978930468382419', 'BC00092', TO\_DATE('2024-11-09', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', NULL, '978967503790845', 'BC00092', TO\_DATE('2024-01-08', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', NULL, '978389148186586', 'BC00054', TO\_DATE('2024-02-18', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', TO\_DATE('2024-08-04', 'YYYY-MM-DD'), '978210701261571', 'BC00087', TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', TO\_DATE('2024-09-15', 'YYYY-MM-DD'), '978756814510443', 'BC00077', TO\_DATE('2024-09-14', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', NULL, '978527703449123', 'BC00039', TO\_DATE('2024-11-09', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00020', NULL, '978420057966693', 'BC00040', TO\_DATE('2025-03-08', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00021', NULL, '978300126240007', 'BC00035', TO\_DATE('2024-04-21', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00021', NULL, '978110985905744', 'BC00075', TO\_DATE('2024-06-29', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00021', NULL, '978949147054427', 'BC00020', TO\_DATE('2024-11-08', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00021', NULL, '978647894640884', 'BC00091', TO\_DATE('2025-02-27', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', TO\_DATE('2024-01-10', 'YYYY-MM-DD'), '978399319494707', 'BC00092', TO\_DATE('2024-01-09', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978992277455087', 'BC00041', TO\_DATE('2024-02-19', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978756814510443', 'BC00079', TO\_DATE('2024-05-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978414191980380', 'BC00028', TO\_DATE('2024-06-09', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978669394297950', 'BC00013', TO\_DATE('2024-07-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978649100501508', 'BC00085', TO\_DATE('2024-07-18', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', TO\_DATE('2024-11-05', 'YYYY-MM-DD'), '978802533807786', 'BC00012', TO\_DATE('2024-11-04', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978248706205361', 'BC00024', TO\_DATE('2024-12-02', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978190029955127', 'BC00073', TO\_DATE('2025-02-23', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978344477681286', 'BC00041', TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00022', NULL, '978653049967802', 'BC00052', TO\_DATE('2025-05-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00023', NULL, '978799142834427', 'BC00002', TO\_DATE('2024-04-12', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00023', NULL, '978210701261571', 'BC00098', TO\_DATE('2024-10-15', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00023', NULL, '978209939785296', 'BC00091', TO\_DATE('2025-01-31', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00023', NULL, '978960126264520', 'BC00039', TO\_DATE('2025-02-27', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', NULL, '978930468382419', 'BC00069', TO\_DATE('2024-02-29', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', NULL, '978125089731809', 'BC00068', TO\_DATE('2024-05-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', TO\_DATE('2024-06-28', 'YYYY-MM-DD'), '978110985905744', 'BC00088', TO\_DATE('2024-06-27', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', NULL, '978187478216498', 'BC00064', TO\_DATE('2024-10-17', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', NULL, '978414191980380', 'BC00022', TO\_DATE('2024-10-18', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00024', NULL, '978399319494707', 'BC00048', TO\_DATE('2025-03-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00025', TO\_DATE('2024-02-23', 'YYYY-MM-DD'), '978949147054427', 'BC00041', TO\_DATE('2024-02-22', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00025', NULL, '978653049967802', 'BC00024', TO\_DATE('2024-04-13', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00025', TO\_DATE('2024-11-27', 'YYYY-MM-DD'), '978187478216498', 'BC00063', TO\_DATE('2024-11-26', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00025', TO\_DATE('2025-01-04', 'YYYY-MM-DD'), '978196740169139', 'BC00084', TO\_DATE('2025-01-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978160167712882', 'BC00021', TO\_DATE('2024-01-16', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978413383564627', 'BC00013', TO\_DATE('2024-02-21', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', TO\_DATE('2024-03-11', 'YYYY-MM-DD'), '978860405874562', 'BC00079', TO\_DATE('2024-03-10', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978210701261571', 'BC00061', TO\_DATE('2024-07-22', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978125089731809', 'BC00064', TO\_DATE('2024-08-18', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', TO\_DATE('2024-10-13', 'YYYY-MM-DD'), '978565523649203', 'BC00004', TO\_DATE('2024-10-12', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', TO\_DATE('2024-11-03', 'YYYY-MM-DD'), '978582818734182', 'BC00040', TO\_DATE('2024-11-02', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978396733209342', 'BC00010', TO\_DATE('2024-11-10', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978263701729101', 'BC00095', TO\_DATE('2024-12-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978100849738142', 'BC00098', TO\_DATE('2025-01-20', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978992277455087', 'BC00021', TO\_DATE('2025-02-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', NULL, '978240461922119', 'BC00085', TO\_DATE('2025-02-15', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00026', TO\_DATE('2025-02-17', 'YYYY-MM-DD'), '978420057966693', 'BC00040', TO\_DATE('2025-02-16', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', NULL, '978399319494707', 'BC00059', TO\_DATE('2024-03-22', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', NULL, '978918486085683', 'BC00016', TO\_DATE('2024-06-23', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', NULL, '978420057966693', 'BC00007', TO\_DATE('2024-07-24', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', TO\_DATE('2024-08-02', 'YYYY-MM-DD'), '978281281973001', 'BC00009', TO\_DATE('2024-08-01', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', TO\_DATE('2024-09-26', 'YYYY-MM-DD'), '978430224098240', 'BC00087', TO\_DATE('2024-09-25', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00027', TO\_DATE('2024-12-03', 'YYYY-MM-DD'), '978930468382419', 'BC00012', TO\_DATE('2024-12-02', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', TO\_DATE('2024-01-26', 'YYYY-MM-DD'), '978263701729101', 'BC00084', TO\_DATE('2024-01-25', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', NULL, '978240461922119', 'BC00086', TO\_DATE('2024-02-27', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', TO\_DATE('2024-03-01', 'YYYY-MM-DD'), '978374945611267', 'BC00023', TO\_DATE('2024-02-29', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', NULL, '978756814510443', 'BC00053', TO\_DATE('2024-04-05', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', TO\_DATE('2024-09-03', 'YYYY-MM-DD'), '978396733209342', 'BC00061', TO\_DATE('2024-09-02', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', NULL, '978430224098240', 'BC00013', TO\_DATE('2024-12-02', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00028', NULL, '978930468382419', 'BC00015', TO\_DATE('2025-03-13', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00029', TO\_DATE('2024-05-09', 'YYYY-MM-DD'), '978307818239731', 'BC00020', TO\_DATE('2024-05-08', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00029', NULL, '978802533807786', 'BC00069', TO\_DATE('2024-05-17', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00029', TO\_DATE('2024-07-23', 'YYYY-MM-DD'), '978565523649203', 'BC00034', TO\_DATE('2024-07-22', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00029', NULL, '978860405874562', 'BC00035', TO\_DATE('2024-11-12', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00029', NULL, '978649100501508', 'BC00089', TO\_DATE('2024-11-18', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00030', NULL, '978967503790845', 'BC00100', TO\_DATE('2024-02-09', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00030', NULL, '978389148186586', 'BC00091', TO\_DATE('2024-04-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00030', TO\_DATE('2024-08-22', 'YYYY-MM-DD'), '978949147054427', 'BC00016', TO\_DATE('2024-08-21', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00030', TO\_DATE('2024-09-22', 'YYYY-MM-DD'), '978190029955127', 'BC00029', TO\_DATE('2024-09-21', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00030', NULL, '978527703449123', 'BC00078', TO\_DATE('2025-01-17', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', TO\_DATE('2024-04-13', 'YYYY-MM-DD'), '978756814510443', 'BC00017', TO\_DATE('2024-04-12', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', NULL, '978125089731809', 'BC00093', TO\_DATE('2024-04-22', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', TO\_DATE('2024-09-07', 'YYYY-MM-DD'), '978582818734182', 'BC00003', TO\_DATE('2024-09-06', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', TO\_DATE('2024-10-24', 'YYYY-MM-DD'), '978281281973001', 'BC00041', TO\_DATE('2024-10-23', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', NULL, '978389148186586', 'BC00100', TO\_DATE('2024-11-28', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00031', NULL, '978770200228980', 'BC00040', TO\_DATE('2025-02-13', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00032', NULL, '978967503790845', 'BC00100', TO\_DATE('2024-10-31', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00032', TO\_DATE('2025-02-14', 'YYYY-MM-DD'), '978125089731809', 'BC00077', TO\_DATE('2025-02-13', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00032', NULL, '978160167712882', 'BC00084', TO\_DATE('2025-02-15', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00032', NULL, '978527703449123', 'BC00093', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', NULL, '978770200228980', 'BC00066', TO\_DATE('2024-08-13', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', NULL, '978160167712882', 'BC00086', TO\_DATE('2024-09-14', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', NULL, '978802533807786', 'BC00080', TO\_DATE('2024-10-05', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', NULL, '978300126240007', 'BC00029', TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', TO\_DATE('2025-04-13', 'YYYY-MM-DD'), '978125089731809', 'BC00013', TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', TO\_DATE('2025-04-24', 'YYYY-MM-DD'), '978967503790845', 'BC00045', TO\_DATE('2025-04-23', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00033', NULL, '978756814510443', 'BC00080', TO\_DATE('2025-04-27', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', TO\_DATE('2024-05-12', 'YYYY-MM-DD'), '978669394297950', 'BC00052', TO\_DATE('2024-05-11', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978802533807786', 'BC00033', TO\_DATE('2024-09-15', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978565523649203', 'BC00054', TO\_DATE('2024-10-06', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978108081334896', 'BC00082', TO\_DATE('2024-12-25', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978210701261571', 'BC00085', TO\_DATE('2025-01-24', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978414191980380', 'BC00022', TO\_DATE('2025-02-15', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00034', NULL, '978307818239731', 'BC00032', TO\_DATE('2025-04-18', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', TO\_DATE('2024-01-10', 'YYYY-MM-DD'), '978756814510443', 'BC00029', TO\_DATE('2024-01-09', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', TO\_DATE('2024-02-04', 'YYYY-MM-DD'), '978396733209342', 'BC00053', TO\_DATE('2024-02-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', TO\_DATE('2024-04-04', 'YYYY-MM-DD'), '978413383564627', 'BC00011', TO\_DATE('2024-04-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', TO\_DATE('2024-06-30', 'YYYY-MM-DD'), '978527703449123', 'BC00044', TO\_DATE('2024-06-29', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', NULL, '978108081334896', 'BC00069', TO\_DATE('2024-07-28', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', TO\_DATE('2024-08-07', 'YYYY-MM-DD'), '978422163244009', 'BC00044', TO\_DATE('2024-08-06', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', NULL, '978647894640884', 'BC00085', TO\_DATE('2024-09-09', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', NULL, '978300126240007', 'BC00029', TO\_DATE('2024-09-28', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', NULL, '978949147054427', 'BC00058', TO\_DATE('2024-11-27', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00035', NULL, '978770200228980', 'BC00018', TO\_DATE('2024-12-22', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00036', NULL, '978949147054427', 'BC00044', TO\_DATE('2024-01-25', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00036', NULL, '978992277455087', 'BC00042', TO\_DATE('2024-02-26', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00036', NULL, '978420057966693', 'BC00046', TO\_DATE('2024-09-11', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00036', NULL, '978196740169139', 'BC00086', TO\_DATE('2025-03-20', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978396733209342', 'BC00053', TO\_DATE('2024-06-01', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978992277455087', 'BC00025', TO\_DATE('2024-06-24', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978281281973001', 'BC00045', TO\_DATE('2024-12-04', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978196740169139', 'BC00022', TO\_DATE('2025-01-23', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978422163244009', 'BC00099', TO\_DATE('2025-03-01', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', TO\_DATE('2025-03-20', 'YYYY-MM-DD'), '978100849738142', 'BC00015', TO\_DATE('2025-03-19', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00037', NULL, '978414191980380', 'BC00046', TO\_DATE('2025-03-23', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00038', TO\_DATE('2024-01-31', 'YYYY-MM-DD'), '978992277455087', 'BC00016', TO\_DATE('2024-01-30', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00038', NULL, '978669394297950', 'BC00010', TO\_DATE('2024-05-26', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00038', NULL, '978422163244009', 'BC00073', TO\_DATE('2024-12-17', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', TO\_DATE('2024-03-29', 'YYYY-MM-DD'), '978125089731809', 'BC00056', TO\_DATE('2024-03-28', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', TO\_DATE('2024-05-06', 'YYYY-MM-DD'), '978374945611267', 'BC00076', TO\_DATE('2024-05-05', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', NULL, '978918486085683', 'BC00010', TO\_DATE('2024-05-29', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', NULL, '978300126240007', 'BC00069', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', NULL, '978240461922119', 'BC00084', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00039', NULL, '978649100501508', 'BC00034', TO\_DATE('2025-04-25', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00040', NULL, '978918486085683', 'BC00005', TO\_DATE('2024-03-30', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00040', NULL, '978949147054427', 'BC00093', TO\_DATE('2024-07-06', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00040', NULL, '978344477681286', 'BC00016', TO\_DATE('2025-02-27', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00040', NULL, '978669394297950', 'BC00049', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978399319494707', 'BC00088', TO\_DATE('2024-01-20', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', TO\_DATE('2024-01-31', 'YYYY-MM-DD'), '978949147054427', 'BC00073', TO\_DATE('2024-01-30', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978834650104565', 'BC00092', TO\_DATE('2024-05-19', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978960126264520', 'BC00024', TO\_DATE('2024-08-26', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978210701261571', 'BC00028', TO\_DATE('2024-09-21', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978420057966693', 'BC00034', TO\_DATE('2025-02-06', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00041', NULL, '978669394297950', 'BC00099', TO\_DATE('2025-02-19', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978327257449613', 'BC00016', TO\_DATE('2024-04-14', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', TO\_DATE('2024-08-27', 'YYYY-MM-DD'), '978110985905744', 'BC00027', TO\_DATE('2024-08-26', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978396733209342', 'BC00072', TO\_DATE('2024-09-09', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978389148186586', 'BC00048', TO\_DATE('2024-10-25', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978108081334896', 'BC00083', TO\_DATE('2024-12-03', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978307818239731', 'BC00089', TO\_DATE('2024-12-28', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', TO\_DATE('2025-02-04', 'YYYY-MM-DD'), '978125089731809', 'BC00073', TO\_DATE('2025-02-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00042', NULL, '978582818734182', 'BC00099', TO\_DATE('2025-02-18', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', NULL, '978949147054427', 'BC00082', TO\_DATE('2024-01-21', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', NULL, '978118598993540', 'BC00062', TO\_DATE('2024-02-17', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', NULL, '978799142834427', 'BC00058', TO\_DATE('2024-03-21', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', NULL, '978960126264520', 'BC00039', TO\_DATE('2024-08-14', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', NULL, '978187478216498', 'BC00076', TO\_DATE('2024-08-14', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', TO\_DATE('2024-09-04', 'YYYY-MM-DD'), '978125089731809', 'BC00100', TO\_DATE('2024-09-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00043', TO\_DATE('2024-09-18', 'YYYY-MM-DD'), '978399319494707', 'BC00036', TO\_DATE('2024-09-17', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978300126240007', 'BC00031', TO\_DATE('2024-01-15', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', TO\_DATE('2024-02-28', 'YYYY-MM-DD'), '978649100501508', 'BC00076', TO\_DATE('2024-02-27', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978307818239731', 'BC00095', TO\_DATE('2025-04-20', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', TO\_DATE('2024-06-24', 'YYYY-MM-DD'), '978960126264520', 'BC00083', TO\_DATE('2024-06-23', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978582818734182', 'BC00095', TO\_DATE('2024-09-13', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978263701729101', 'BC00053', TO\_DATE('2025-04-21', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978196740169139', 'BC00027', TO\_DATE('2025-03-24', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00044', NULL, '978414191980380', 'BC00084', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00045', NULL, '978422163244009', 'BC00027', TO\_DATE('2024-10-12', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00045', NULL, '978770200228980', 'BC00045', TO\_DATE('2024-12-11', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00045', NULL, '978209939785296', 'BC00002', TO\_DATE('2025-01-02', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00045', NULL, '978281281973001', 'BC00094', TO\_DATE('2025-01-08', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978263701729101', 'BC00055', TO\_DATE('2024-06-08', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978930468382419', 'BC00025', TO\_DATE('2024-06-27', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978527703449123', 'BC00057', TO\_DATE('2024-08-19', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978190029955127', 'BC00098', TO\_DATE('2024-12-25', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978389148186586', 'BC00045', TO\_DATE('2024-12-30', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', TO\_DATE('2025-02-12', 'YYYY-MM-DD'), '978647894640884', 'BC00034', TO\_DATE('2025-02-11', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978669394297950', 'BC00054', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978802533807786', 'BC00054', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00046', NULL, '978860405874562', 'BC00089', TO\_DATE('2025-04-18', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00047', TO\_DATE('2024-06-19', 'YYYY-MM-DD'), '978108081334896', 'BC00074', TO\_DATE('2024-06-18', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00047', NULL, '978307818239731', 'BC00091', TO\_DATE('2024-09-07', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00047', NULL, '978653049967802', 'BC00087', TO\_DATE('2024-10-25', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00047', NULL, '978431022003932', 'BC00094', TO\_DATE('2024-11-14', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00047', TO\_DATE('2024-11-28', 'YYYY-MM-DD'), '978414191980380', 'BC00016', TO\_DATE('2024-11-27', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00048', NULL, '978430224098240', 'BC00061', TO\_DATE('2024-01-20', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00048', NULL, '978106967995749', 'BC00078', TO\_DATE('2024-03-21', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00048', NULL, '978160167712882', 'BC00089', TO\_DATE('2024-09-26', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00048', NULL, '978770200228980', 'BC00007', TO\_DATE('2024-12-27', 'YYYY-MM-DD'), 'Collected');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00049', TO\_DATE('2024-05-01', 'YYYY-MM-DD'), '978240461922119', 'BC00022', TO\_DATE('2024-04-30', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00049', NULL, '978649100501508', 'BC00081', TO\_DATE('2024-06-12', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00049', TO\_DATE('2024-07-01', 'YYYY-MM-DD'), '978860405874562', 'BC00011', TO\_DATE('2024-06-30', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', TO\_DATE('2024-01-13', 'YYYY-MM-DD'), '978389148186586', 'BC00066', TO\_DATE('2024-01-12', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', NULL, '978108081334896', 'BC00043', TO\_DATE('2024-02-03', 'YYYY-MM-DD'), 'Expired');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', TO\_DATE('2024-06-13', 'YYYY-MM-DD'), '978992277455087', 'BC00008', TO\_DATE('2024-06-12', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', TO\_DATE('2024-07-03', 'YYYY-MM-DD'), '978106967995749', 'BC00010', TO\_DATE('2024-07-02', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', TO\_DATE('2024-08-04', 'YYYY-MM-DD'), '978669394297950', 'BC00060', TO\_DATE('2024-08-03', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', TO\_DATE('2024-09-10', 'YYYY-MM-DD'), '978413383564627', 'BC00038', TO\_DATE('2024-09-09', 'YYYY-MM-DD'), 'Ready for Pickup');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', NULL, '978422163244009', 'BC00010', TO\_DATE('2025-01-09', 'YYYY-MM-DD'), 'Pending');

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00050', NULL, '978190029955127', 'BC00054', TO\_DATE('2025-02-20', 'YYYY-MM-DD'), 'Collected');

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00001', 'M00029', 'BC00053', TO\_DATE('2022-01-01', 'YYYY-MM-DD'), TO\_DATE('2022-01-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00002', 'M00025', 'BC00086', TO\_DATE('2022-01-10', 'YYYY-MM-DD'), TO\_DATE('2022-01-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00003', 'M00022', 'BC00005', TO\_DATE('2022-01-15', 'YYYY-MM-DD'), TO\_DATE('2022-01-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00004', 'M00006', 'BC00099', TO\_DATE('2022-02-01', 'YYYY-MM-DD'), TO\_DATE('2022-02-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00005', 'M00026', 'BC00001', TO\_DATE('2022-02-05', 'YYYY-MM-DD'), TO\_DATE('2022-02-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00006', 'M00043', 'BC00077', TO\_DATE('2022-02-15', 'YYYY-MM-DD'), TO\_DATE('2022-02-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00007', 'M00017', 'BC00043', TO\_DATE('2022-03-01', 'YYYY-MM-DD'), TO\_DATE('2022-03-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00008', 'M00018', 'BC00077', TO\_DATE('2022-03-10', 'YYYY-MM-DD'), TO\_DATE('2022-03-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00009', 'M00014', 'BC00080', TO\_DATE('2022-03-15', 'YYYY-MM-DD'), TO\_DATE('2022-03-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00010', 'M00014', 'BC00012', TO\_DATE('2022-04-01', 'YYYY-MM-DD'), TO\_DATE('2022-04-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00011', 'M00043', 'BC00036', TO\_DATE('2022-04-10', 'YYYY-MM-DD'), TO\_DATE('2022-04-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00012', 'M00048', 'BC00056', TO\_DATE('2022-05-01', 'YYYY-MM-DD'), TO\_DATE('2022-05-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00013', 'M00014', 'BC00029', TO\_DATE('2022-05-10', 'YYYY-MM-DD'), TO\_DATE('2022-05-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00014', 'M00006', 'BC00024', TO\_DATE('2022-05-15', 'YYYY-MM-DD'), TO\_DATE('2022-05-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00015', 'M00023', 'BC00072', TO\_DATE('2022-06-01', 'YYYY-MM-DD'), TO\_DATE('2022-06-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00016', 'M00047', 'BC00050', TO\_DATE('2022-06-05', 'YYYY-MM-DD'), TO\_DATE('2022-06-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00017', 'M00002', 'BC00086', TO\_DATE('2022-06-10', 'YYYY-MM-DD'), TO\_DATE('2022-06-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00018', 'M00006', 'BC00044', TO\_DATE('2022-06-15', 'YYYY-MM-DD'), TO\_DATE('2022-06-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00019', 'M00017', 'BC00052', TO\_DATE('2022-07-01', 'YYYY-MM-DD'), TO\_DATE('2022-07-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00020', 'M00023', 'BC00087', TO\_DATE('2022-07-05', 'YYYY-MM-DD'), TO\_DATE('2022-07-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00021', 'M00031', 'BC00002', TO\_DATE('2022-07-10', 'YYYY-MM-DD'), TO\_DATE('2022-07-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00022', 'M00017', 'BC00040', TO\_DATE('2022-07-15', 'YYYY-MM-DD'), TO\_DATE('2022-07-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00023', 'M00022', 'BC00001', TO\_DATE('2022-07-20', 'YYYY-MM-DD'), TO\_DATE('2022-07-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00024', 'M00002', 'BC00022', TO\_DATE('2022-08-01', 'YYYY-MM-DD'), TO\_DATE('2022-08-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00025', 'M00029', 'BC00005', TO\_DATE('2022-08-05', 'YYYY-MM-DD'), TO\_DATE('2022-08-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00026', 'M00003', 'BC00027', TO\_DATE('2022-08-15', 'YYYY-MM-DD'), TO\_DATE('2022-08-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00027', 'M00012', 'BC00036', TO\_DATE('2022-09-01', 'YYYY-MM-DD'), TO\_DATE('2022-09-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00028', 'M00034', 'BC00022', TO\_DATE('2022-09-10', 'YYYY-MM-DD'), TO\_DATE('2022-09-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00029', 'M00044', 'BC00097', TO\_DATE('2022-09-15', 'YYYY-MM-DD'), TO\_DATE('2022-09-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00030', 'M00035', 'BC00016', TO\_DATE('2022-09-20', 'YYYY-MM-DD'), TO\_DATE('2022-09-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00031', 'M00020', 'BC00054', TO\_DATE('2022-09-25', 'YYYY-MM-DD'), TO\_DATE('2022-10-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00032', 'M00033', 'BC00042', TO\_DATE('2022-10-01', 'YYYY-MM-DD'), TO\_DATE('2022-10-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00033', 'M00007', 'BC00030', TO\_DATE('2022-10-05', 'YYYY-MM-DD'), TO\_DATE('2022-10-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00034', 'M00033', 'BC00004', TO\_DATE('2022-10-15', 'YYYY-MM-DD'), TO\_DATE('2022-10-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00035', 'M00017', 'BC00046', TO\_DATE('2022-10-20', 'YYYY-MM-DD'), TO\_DATE('2022-10-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00036', 'M00041', 'BC00003', TO\_DATE('2022-11-01', 'YYYY-MM-DD'), TO\_DATE('2022-11-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00037', 'M00011', 'BC00029', TO\_DATE('2022-11-10', 'YYYY-MM-DD'), TO\_DATE('2022-11-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00038', 'M00034', 'BC00080', TO\_DATE('2022-11-15', 'YYYY-MM-DD'), TO\_DATE('2022-11-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00039', 'M00031', 'BC00050', TO\_DATE('2022-11-25', 'YYYY-MM-DD'), TO\_DATE('2022-12-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00040', 'M00030', 'BC00084', TO\_DATE('2022-12-01', 'YYYY-MM-DD'), TO\_DATE('2022-12-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00041', 'M00009', 'BC00003', TO\_DATE('2022-12-05', 'YYYY-MM-DD'), TO\_DATE('2022-12-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00042', 'M00024', 'BC00055', TO\_DATE('2022-12-10', 'YYYY-MM-DD'), TO\_DATE('2022-12-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00043', 'M00033', 'BC00020', TO\_DATE('2022-12-15', 'YYYY-MM-DD'), TO\_DATE('2022-12-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00044', 'M00012', 'BC00066', TO\_DATE('2022-12-20', 'YYYY-MM-DD'), TO\_DATE('2022-12-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00045', 'M00007', 'BC00035', TO\_DATE('2022-12-25', 'YYYY-MM-DD'), TO\_DATE('2022-12-31', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00046', 'M00012', 'BC00013', TO\_DATE('2022-12-29', 'YYYY-MM-DD'), TO\_DATE('2023-01-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00047', 'M00030', 'BC00058', TO\_DATE('2023-01-02', 'YYYY-MM-DD'), TO\_DATE('2023-01-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00048', 'M00016', 'BC00037', TO\_DATE('2023-01-05', 'YYYY-MM-DD'), TO\_DATE('2023-01-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00049', 'M00024', 'BC00021', TO\_DATE('2023-01-08', 'YYYY-MM-DD'), TO\_DATE('2023-01-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00050', 'M00018', 'BC00092', TO\_DATE('2023-01-10', 'YYYY-MM-DD'), TO\_DATE('2023-01-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00051', 'M00025', 'BC00034', TO\_DATE('2023-02-03', 'YYYY-MM-DD'), TO\_DATE('2023-02-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00052', 'M00024', 'BC00005', TO\_DATE('2023-02-08', 'YYYY-MM-DD'), TO\_DATE('2023-02-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00053', 'M00028', 'BC00006', TO\_DATE('2023-02-12', 'YYYY-MM-DD'), TO\_DATE('2023-02-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00054', 'M00010', 'BC00079', TO\_DATE('2023-02-20', 'YYYY-MM-DD'), TO\_DATE('2023-02-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00055', 'M00036', 'BC00014', TO\_DATE('2023-03-01', 'YYYY-MM-DD'), TO\_DATE('2023-03-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00056', 'M00003', 'BC00079', TO\_DATE('2023-03-03', 'YYYY-MM-DD'), TO\_DATE('2023-03-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00057', 'M00041', 'BC00081', TO\_DATE('2023-03-06', 'YYYY-MM-DD'), TO\_DATE('2023-03-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00058', 'M00043', 'BC00031', TO\_DATE('2023-03-10', 'YYYY-MM-DD'), TO\_DATE('2023-03-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00059', 'M00034', 'BC00050', TO\_DATE('2023-03-12', 'YYYY-MM-DD'), TO\_DATE('2023-03-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00060', 'M00034', 'BC00063', TO\_DATE('2023-03-15', 'YYYY-MM-DD'), TO\_DATE('2023-03-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00061', 'M00012', 'BC00063', TO\_DATE('2023-03-18', 'YYYY-MM-DD'), TO\_DATE('2023-03-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00062', 'M00047', 'BC00024', TO\_DATE('2023-03-22', 'YYYY-MM-DD'), TO\_DATE('2023-03-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00063', 'M00002', 'BC00081', TO\_DATE('2023-03-24', 'YYYY-MM-DD'), TO\_DATE('2023-03-31', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00064', 'M00043', 'BC00038', TO\_DATE('2023-03-28', 'YYYY-MM-DD'), TO\_DATE('2023-04-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00065', 'M00018', 'BC00069', TO\_DATE('2023-03-30', 'YYYY-MM-DD'), TO\_DATE('2023-04-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00066', 'M00013', 'BC00049', TO\_DATE('2023-04-02', 'YYYY-MM-DD'), TO\_DATE('2023-04-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00067', 'M00003', 'BC00097', TO\_DATE('2023-04-04', 'YYYY-MM-DD'), TO\_DATE('2023-04-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00068', 'M00017', 'BC00022', TO\_DATE('2023-04-06', 'YYYY-MM-DD'), TO\_DATE('2023-04-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00069', 'M00001', 'BC00086', TO\_DATE('2023-04-08', 'YYYY-MM-DD'), TO\_DATE('2023-04-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00070', 'M00024', 'BC00089', TO\_DATE('2023-04-10', 'YYYY-MM-DD'), TO\_DATE('2023-04-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00071', 'M00020', 'BC00018', TO\_DATE('2023-04-12', 'YYYY-MM-DD'), TO\_DATE('2023-04-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00072', 'M00014', 'BC00002', TO\_DATE('2023-04-14', 'YYYY-MM-DD'), TO\_DATE('2023-04-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00073', 'M00023', 'BC00008', TO\_DATE('2023-04-16', 'YYYY-MM-DD'), TO\_DATE('2023-04-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00074', 'M00036', 'BC00079', TO\_DATE('2023-04-18', 'YYYY-MM-DD'), TO\_DATE('2023-04-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00075', 'M00029', 'BC00082', TO\_DATE('2023-04-20', 'YYYY-MM-DD'), TO\_DATE('2023-04-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00076', 'M00027', 'BC00004', TO\_DATE('2023-04-22', 'YYYY-MM-DD'), TO\_DATE('2023-04-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00077', 'M00042', 'BC00078', TO\_DATE('2023-04-24', 'YYYY-MM-DD'), TO\_DATE('2023-05-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00078', 'M00036', 'BC00004', TO\_DATE('2023-04-26', 'YYYY-MM-DD'), TO\_DATE('2023-05-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00079', 'M00039', 'BC00057', TO\_DATE('2023-04-28', 'YYYY-MM-DD'), TO\_DATE('2023-05-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00080', 'M00040', 'BC00086', TO\_DATE('2023-04-30', 'YYYY-MM-DD'), TO\_DATE('2023-05-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00081', 'M00034', 'BC00037', TO\_DATE('2023-05-02', 'YYYY-MM-DD'), TO\_DATE('2023-05-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00082', 'M00011', 'BC00040', TO\_DATE('2023-05-04', 'YYYY-MM-DD'), TO\_DATE('2023-05-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00083', 'M00022', 'BC00040', TO\_DATE('2023-05-06', 'YYYY-MM-DD'), TO\_DATE('2023-05-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00084', 'M00031', 'BC00063', TO\_DATE('2023-05-08', 'YYYY-MM-DD'), TO\_DATE('2023-05-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00085', 'M00020', 'BC00008', TO\_DATE('2023-05-10', 'YYYY-MM-DD'), TO\_DATE('2023-05-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00086', 'M00037', 'BC00021', TO\_DATE('2023-05-12', 'YYYY-MM-DD'), TO\_DATE('2023-05-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00087', 'M00015', 'BC00076', TO\_DATE('2023-05-14', 'YYYY-MM-DD'), TO\_DATE('2023-05-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00088', 'M00047', 'BC00010', TO\_DATE('2023-05-16', 'YYYY-MM-DD'), TO\_DATE('2023-05-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00089', 'M00038', 'BC00035', TO\_DATE('2023-05-18', 'YYYY-MM-DD'), TO\_DATE('2023-05-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00090', 'M00036', 'BC00090', TO\_DATE('2023-05-20', 'YYYY-MM-DD'), TO\_DATE('2023-05-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00091', 'M00029', 'BC00093', TO\_DATE('2023-05-22', 'YYYY-MM-DD'), TO\_DATE('2023-05-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00092', 'M00045', 'BC00044', TO\_DATE('2023-05-24', 'YYYY-MM-DD'), TO\_DATE('2023-05-31', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00093', 'M00016', 'BC00079', TO\_DATE('2023-05-26', 'YYYY-MM-DD'), TO\_DATE('2023-06-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00094', 'M00019', 'BC00071', TO\_DATE('2023-05-28', 'YYYY-MM-DD'), TO\_DATE('2023-06-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00095', 'M00038', 'BC00018', TO\_DATE('2023-05-30', 'YYYY-MM-DD'), TO\_DATE('2023-06-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00096', 'M00023', 'BC00011', TO\_DATE('2023-06-01', 'YYYY-MM-DD'), TO\_DATE('2023-06-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00097', 'M00012', 'BC00019', TO\_DATE('2023-06-03', 'YYYY-MM-DD'), TO\_DATE('2023-06-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00098', 'M00026', 'BC00036', TO\_DATE('2023-06-05', 'YYYY-MM-DD'), TO\_DATE('2023-06-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00099', 'M00007', 'BC00004', TO\_DATE('2023-06-07', 'YYYY-MM-DD'), TO\_DATE('2023-06-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00100', 'M00025', 'BC00003', TO\_DATE('2023-06-09', 'YYYY-MM-DD'), TO\_DATE('2023-06-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00101', 'M00022', 'BC00022', TO\_DATE('2023-07-21', 'YYYY-MM-DD'), TO\_DATE('2023-07-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00102', 'M00016', 'BC00012', TO\_DATE('2023-09-05', 'YYYY-MM-DD'), TO\_DATE('2023-09-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00103', 'M00043', 'BC00007', TO\_DATE('2023-07-13', 'YYYY-MM-DD'), TO\_DATE('2023-07-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00104', 'M00032', 'BC00004', TO\_DATE('2023-08-12', 'YYYY-MM-DD'), TO\_DATE('2023-08-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00105', 'M00008', 'BC00005', TO\_DATE('2023-07-07', 'YYYY-MM-DD'), TO\_DATE('2023-07-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00106', 'M00029', 'BC00023', TO\_DATE('2023-08-10', 'YYYY-MM-DD'), TO\_DATE('2023-08-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00107', 'M00013', 'BC00003', TO\_DATE('2023-09-06', 'YYYY-MM-DD'), TO\_DATE('2023-09-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00108', 'M00039', 'BC00079', TO\_DATE('2023-08-09', 'YYYY-MM-DD'), TO\_DATE('2023-08-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00109', 'M00046', 'BC00057', TO\_DATE('2023-08-20', 'YYYY-MM-DD'), TO\_DATE('2023-08-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00110', 'M00028', 'BC00097', TO\_DATE('2023-07-25', 'YYYY-MM-DD'), TO\_DATE('2023-08-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00111', 'M00026', 'BC00048', TO\_DATE('2023-09-05', 'YYYY-MM-DD'), TO\_DATE('2023-09-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00112', 'M00005', 'BC00092', TO\_DATE('2023-08-13', 'YYYY-MM-DD'), TO\_DATE('2023-08-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00113', 'M00030', 'BC00083', TO\_DATE('2023-08-10', 'YYYY-MM-DD'), TO\_DATE('2023-08-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00114', 'M00047', 'BC00094', TO\_DATE('2023-09-15', 'YYYY-MM-DD'), TO\_DATE('2023-09-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00115', 'M00001', 'BC00031', TO\_DATE('2023-08-21', 'YYYY-MM-DD'), TO\_DATE('2023-08-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00116', 'M00002', 'BC00090', TO\_DATE('2023-08-22', 'YYYY-MM-DD'), TO\_DATE('2023-08-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00117', 'M00002', 'BC00090', TO\_DATE('2023-09-01', 'YYYY-MM-DD'), TO\_DATE('2023-09-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00118', 'M00050', 'BC00038', TO\_DATE('2023-08-20', 'YYYY-MM-DD'), TO\_DATE('2023-08-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00119', 'M00023', 'BC00012', TO\_DATE('2023-09-03', 'YYYY-MM-DD'), TO\_DATE('2023-09-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00120', 'M00023', 'BC00081', TO\_DATE('2023-07-25', 'YYYY-MM-DD'), TO\_DATE('2023-08-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00121', 'M00035', 'BC00087', TO\_DATE('2023-09-10', 'YYYY-MM-DD'), TO\_DATE('2023-09-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00122', 'M00042', 'BC00093', TO\_DATE('2023-09-01', 'YYYY-MM-DD'), TO\_DATE('2023-09-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00123', 'M00006', 'BC00026', TO\_DATE('2023-09-09', 'YYYY-MM-DD'), TO\_DATE('2023-09-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00124', 'M00050', 'BC00060', TO\_DATE('2023-09-07', 'YYYY-MM-DD'), TO\_DATE('2023-09-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00125', 'M00003', 'BC00087', TO\_DATE('2023-08-15', 'YYYY-MM-DD'), TO\_DATE('2023-08-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00126', 'M00026', 'BC00053', TO\_DATE('2023-09-11', 'YYYY-MM-DD'), TO\_DATE('2023-09-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00127', 'M00022', 'BC00006', TO\_DATE('2023-08-22', 'YYYY-MM-DD'), TO\_DATE('2023-08-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00128', 'M00028', 'BC00020', TO\_DATE('2023-09-05', 'YYYY-MM-DD'), TO\_DATE('2023-09-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00129', 'M00039', 'BC00052', TO\_DATE('2023-09-09', 'YYYY-MM-DD'), TO\_DATE('2023-09-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00130', 'M00013', 'BC00052', TO\_DATE('2023-09-20', 'YYYY-MM-DD'), TO\_DATE('2023-09-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00131', 'M00004', 'BC00029', TO\_DATE('2023-09-23', 'YYYY-MM-DD'), TO\_DATE('2023-09-30', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00132', 'M00016', 'BC00071', TO\_DATE('2023-10-01', 'YYYY-MM-DD'), TO\_DATE('2023-10-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00133', 'M00035', 'BC00069', TO\_DATE('2023-10-05', 'YYYY-MM-DD'), TO\_DATE('2023-10-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00134', 'M00036', 'BC00076', TO\_DATE('2023-10-10', 'YYYY-MM-DD'), TO\_DATE('2023-10-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00135', 'M00021', 'BC00007', TO\_DATE('2023-10-15', 'YYYY-MM-DD'), TO\_DATE('2023-10-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00136', 'M00031', 'BC00069', TO\_DATE('2023-10-17', 'YYYY-MM-DD'), TO\_DATE('2023-10-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00137', 'M00008', 'BC00060', TO\_DATE('2023-10-20', 'YYYY-MM-DD'), TO\_DATE('2023-10-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00138', 'M00036', 'BC00063', TO\_DATE('2023-10-22', 'YYYY-MM-DD'), TO\_DATE('2023-10-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00139', 'M00027', 'BC00061', TO\_DATE('2023-10-25', 'YYYY-MM-DD'), TO\_DATE('2023-11-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00140', 'M00045', 'BC00050', TO\_DATE('2023-11-01', 'YYYY-MM-DD'), TO\_DATE('2023-11-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00141', 'M00010', 'BC00065', TO\_DATE('2023-11-03', 'YYYY-MM-DD'), TO\_DATE('2023-11-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00142', 'M00025', 'BC00025', TO\_DATE('2023-11-06', 'YYYY-MM-DD'), TO\_DATE('2023-11-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00143', 'M00018', 'BC00054', TO\_DATE('2023-11-09', 'YYYY-MM-DD'), TO\_DATE('2023-11-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00144', 'M00041', 'BC00079', TO\_DATE('2023-11-11', 'YYYY-MM-DD'), TO\_DATE('2023-11-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00145', 'M00043', 'BC00047', TO\_DATE('2023-11-14', 'YYYY-MM-DD'), TO\_DATE('2023-11-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00146', 'M00040', 'BC00029', TO\_DATE('2023-11-17', 'YYYY-MM-DD'), TO\_DATE('2023-11-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00147', 'M00006', 'BC00039', TO\_DATE('2023-11-18', 'YYYY-MM-DD'), TO\_DATE('2023-11-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00148', 'M00006', 'BC00078', TO\_DATE('2023-11-20', 'YYYY-MM-DD'), TO\_DATE('2023-11-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00149', 'M00006', 'BC00098', TO\_DATE('2023-11-21', 'YYYY-MM-DD'), TO\_DATE('2023-11-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00150', 'M00038', 'BC00011', TO\_DATE('2023-11-22', 'YYYY-MM-DD'), TO\_DATE('2023-11-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00151', 'M00006', 'BC00090', TO\_DATE('2023-11-23', 'YYYY-MM-DD'), TO\_DATE('2023-11-30', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00152', 'M00003', 'BC00047', TO\_DATE('2023-11-24', 'YYYY-MM-DD'), TO\_DATE('2023-12-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00153', 'M00024', 'BC00037', TO\_DATE('2023-11-25', 'YYYY-MM-DD'), TO\_DATE('2023-12-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00154', 'M00044', 'BC00090', TO\_DATE('2023-11-26', 'YYYY-MM-DD'), TO\_DATE('2023-12-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00155', 'M00023', 'BC00062', TO\_DATE('2023-11-27', 'YYYY-MM-DD'), TO\_DATE('2023-12-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00156', 'M00025', 'BC00083', TO\_DATE('2023-11-28', 'YYYY-MM-DD'), TO\_DATE('2023-12-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00157', 'M00023', 'BC00047', TO\_DATE('2023-11-29', 'YYYY-MM-DD'), TO\_DATE('2023-12-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00158', 'M00046', 'BC00071', TO\_DATE('2023-11-30', 'YYYY-MM-DD'), TO\_DATE('2023-12-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00159', 'M00037', 'BC00090', TO\_DATE('2023-12-01', 'YYYY-MM-DD'), TO\_DATE('2023-12-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00160', 'M00036', 'BC00058', TO\_DATE('2023-12-02', 'YYYY-MM-DD'), TO\_DATE('2023-12-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00161', 'M00002', 'BC00035', TO\_DATE('2023-12-03', 'YYYY-MM-DD'), TO\_DATE('2023-12-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00162', 'M00040', 'BC00024', TO\_DATE('2023-12-04', 'YYYY-MM-DD'), TO\_DATE('2023-12-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00163', 'M00017', 'BC00056', TO\_DATE('2023-12-05', 'YYYY-MM-DD'), TO\_DATE('2023-12-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00164', 'M00020', 'BC00073', TO\_DATE('2023-12-06', 'YYYY-MM-DD'), TO\_DATE('2023-12-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00165', 'M00025', 'BC00011', TO\_DATE('2023-12-07', 'YYYY-MM-DD'), TO\_DATE('2023-12-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00166', 'M00045', 'BC00067', TO\_DATE('2023-12-08', 'YYYY-MM-DD'), TO\_DATE('2023-12-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00167', 'M00003', 'BC00029', TO\_DATE('2023-12-09', 'YYYY-MM-DD'), TO\_DATE('2023-12-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00168', 'M00041', 'BC00052', TO\_DATE('2023-12-10', 'YYYY-MM-DD'), TO\_DATE('2023-12-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00169', 'M00034', 'BC00033', TO\_DATE('2023-12-11', 'YYYY-MM-DD'), TO\_DATE('2023-12-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00170', 'M00024', 'BC00018', TO\_DATE('2023-12-12', 'YYYY-MM-DD'), TO\_DATE('2023-12-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00171', 'M00014', 'BC00072', TO\_DATE('2023-12-13', 'YYYY-MM-DD'), TO\_DATE('2023-12-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00172', 'M00016', 'BC00056', TO\_DATE('2023-12-14', 'YYYY-MM-DD'), TO\_DATE('2023-12-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00173', 'M00007', 'BC00085', TO\_DATE('2023-12-15', 'YYYY-MM-DD'), TO\_DATE('2023-12-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00174', 'M00005', 'BC00095', TO\_DATE('2023-12-16', 'YYYY-MM-DD'), TO\_DATE('2023-12-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00175', 'M00023', 'BC00065', TO\_DATE('2023-12-17', 'YYYY-MM-DD'), TO\_DATE('2023-12-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00176', 'M00027', 'BC00060', TO\_DATE('2023-12-18', 'YYYY-MM-DD'), TO\_DATE('2023-12-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00177', 'M00011', 'BC00094', TO\_DATE('2023-12-19', 'YYYY-MM-DD'), TO\_DATE('2023-12-26', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00178', 'M00008', 'BC00099', TO\_DATE('2023-12-20', 'YYYY-MM-DD'), TO\_DATE('2023-12-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00179', 'M00019', 'BC00031', TO\_DATE('2023-12-21', 'YYYY-MM-DD'), TO\_DATE('2023-12-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00180', 'M00029', 'BC00040', TO\_DATE('2023-12-22', 'YYYY-MM-DD'), TO\_DATE('2023-12-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00181', 'M00030', 'BC00061', TO\_DATE('2023-12-23', 'YYYY-MM-DD'), TO\_DATE('2023-12-30', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00182', 'M00012', 'BC00016', TO\_DATE('2023-12-24', 'YYYY-MM-DD'), TO\_DATE('2023-12-31', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00183', 'M00006', 'BC00043', TO\_DATE('2023-12-25', 'YYYY-MM-DD'), TO\_DATE('2024-01-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00184', 'M00018', 'BC00071', TO\_DATE('2023-12-26', 'YYYY-MM-DD'), TO\_DATE('2024-01-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00185', 'M00031', 'BC00029', TO\_DATE('2023-12-27', 'YYYY-MM-DD'), TO\_DATE('2024-01-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00186', 'M00008', 'BC00059', TO\_DATE('2023-12-28', 'YYYY-MM-DD'), TO\_DATE('2024-01-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00187', 'M00003', 'BC00017', TO\_DATE('2023-12-29', 'YYYY-MM-DD'), TO\_DATE('2024-01-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00188', 'M00027', 'BC00023', TO\_DATE('2023-12-30', 'YYYY-MM-DD'), TO\_DATE('2024-01-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00189', 'M00032', 'BC00012', TO\_DATE('2023-12-31', 'YYYY-MM-DD'), TO\_DATE('2024-01-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00190', 'M00009', 'BC00037', TO\_DATE('2024-01-01', 'YYYY-MM-DD'), TO\_DATE('2024-01-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00191', 'M00014', 'BC00088', TO\_DATE('2024-01-02', 'YYYY-MM-DD'), TO\_DATE('2024-01-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00192', 'M00011', 'BC00053', TO\_DATE('2024-01-03', 'YYYY-MM-DD'), TO\_DATE('2024-01-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00193', 'M00033', 'BC00079', TO\_DATE('2024-01-04', 'YYYY-MM-DD'), TO\_DATE('2024-01-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00194', 'M00034', 'BC00068', TO\_DATE('2024-01-05', 'YYYY-MM-DD'), TO\_DATE('2024-01-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00195', 'M00013', 'BC00041', TO\_DATE('2024-01-06', 'YYYY-MM-DD'), TO\_DATE('2024-01-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00196', 'M00007', 'BC00034', TO\_DATE('2024-01-07', 'YYYY-MM-DD'), TO\_DATE('2024-01-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00197', 'M00020', 'BC00097', TO\_DATE('2024-01-08', 'YYYY-MM-DD'), TO\_DATE('2024-01-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00198', 'M00019', 'BC00054', TO\_DATE('2024-01-09', 'YYYY-MM-DD'), TO\_DATE('2024-01-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00199', 'M00004', 'BC00090', TO\_DATE('2024-01-10', 'YYYY-MM-DD'), TO\_DATE('2024-01-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00200', 'M00028', 'BC00050', TO\_DATE('2024-01-11', 'YYYY-MM-DD'), TO\_DATE('2024-01-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00201', 'M00046', 'BC00087', TO\_DATE('2024-01-11', 'YYYY-MM-DD'), TO\_DATE('2024-01-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00202', 'M00004', 'BC00098', TO\_DATE('2024-01-12', 'YYYY-MM-DD'), TO\_DATE('2024-01-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00203', 'M00034', 'BC00076', TO\_DATE('2024-01-13', 'YYYY-MM-DD'), TO\_DATE('2024-01-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00204', 'M00009', 'BC00045', TO\_DATE('2024-01-14', 'YYYY-MM-DD'), TO\_DATE('2024-01-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00205', 'M00005', 'BC00005', TO\_DATE('2024-01-15', 'YYYY-MM-DD'), TO\_DATE('2024-01-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00206', 'M00048', 'BC00051', TO\_DATE('2024-01-16', 'YYYY-MM-DD'), TO\_DATE('2024-01-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00207', 'M00049', 'BC00038', TO\_DATE('2024-01-17', 'YYYY-MM-DD'), TO\_DATE('2024-01-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00208', 'M00031', 'BC00023', TO\_DATE('2024-01-18', 'YYYY-MM-DD'), TO\_DATE('2024-01-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00209', 'M00009', 'BC00002', TO\_DATE('2024-01-19', 'YYYY-MM-DD'), TO\_DATE('2024-01-26', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00210', 'M00005', 'BC00041', TO\_DATE('2024-01-20', 'YYYY-MM-DD'), TO\_DATE('2024-01-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00211', 'M00036', 'BC00003', TO\_DATE('2024-01-21', 'YYYY-MM-DD'), TO\_DATE('2024-01-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00212', 'M00011', 'BC00056', TO\_DATE('2024-01-22', 'YYYY-MM-DD'), TO\_DATE('2024-01-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00213', 'M00029', 'BC00037', TO\_DATE('2024-01-23', 'YYYY-MM-DD'), TO\_DATE('2024-01-30', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00214', 'M00029', 'BC00091', TO\_DATE('2024-01-24', 'YYYY-MM-DD'), TO\_DATE('2024-01-31', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00215', 'M00036', 'BC00032', TO\_DATE('2024-01-25', 'YYYY-MM-DD'), TO\_DATE('2024-02-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00216', 'M00004', 'BC00089', TO\_DATE('2024-01-26', 'YYYY-MM-DD'), TO\_DATE('2024-02-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00217', 'M00011', 'BC00068', TO\_DATE('2024-01-27', 'YYYY-MM-DD'), TO\_DATE('2024-02-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00218', 'M00030', 'BC00089', TO\_DATE('2024-01-28', 'YYYY-MM-DD'), TO\_DATE('2024-02-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00219', 'M00048', 'BC00022', TO\_DATE('2024-01-29', 'YYYY-MM-DD'), TO\_DATE('2024-02-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00220', 'M00027', 'BC00073', TO\_DATE('2024-01-30', 'YYYY-MM-DD'), TO\_DATE('2024-02-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00221', 'M00012', 'BC00057', TO\_DATE('2024-01-31', 'YYYY-MM-DD'), TO\_DATE('2024-02-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00222', 'M00036', 'BC00003', TO\_DATE('2024-02-01', 'YYYY-MM-DD'), TO\_DATE('2024-02-08', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00223', 'M00038', 'BC00003', TO\_DATE('2024-02-02', 'YYYY-MM-DD'), TO\_DATE('2024-02-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00224', 'M00024', 'BC00048', TO\_DATE('2024-02-03', 'YYYY-MM-DD'), TO\_DATE('2024-02-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00225', 'M00003', 'BC00098', TO\_DATE('2024-02-04', 'YYYY-MM-DD'), TO\_DATE('2024-02-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00226', 'M00020', 'BC00015', TO\_DATE('2024-02-05', 'YYYY-MM-DD'), TO\_DATE('2024-02-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00227', 'M00034', 'BC00021', TO\_DATE('2024-02-06', 'YYYY-MM-DD'), TO\_DATE('2024-02-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00228', 'M00015', 'BC00060', TO\_DATE('2024-02-07', 'YYYY-MM-DD'), TO\_DATE('2024-02-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00229', 'M00009', 'BC00084', TO\_DATE('2024-02-08', 'YYYY-MM-DD'), TO\_DATE('2024-02-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00230', 'M00043', 'BC00099', TO\_DATE('2024-02-09', 'YYYY-MM-DD'), TO\_DATE('2024-02-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00231', 'M00015', 'BC00002', TO\_DATE('2024-02-10', 'YYYY-MM-DD'), TO\_DATE('2024-02-17', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00232', 'M00035', 'BC00008', TO\_DATE('2024-02-11', 'YYYY-MM-DD'), TO\_DATE('2024-02-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00233', 'M00044', 'BC00080', TO\_DATE('2024-02-12', 'YYYY-MM-DD'), TO\_DATE('2024-02-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00234', 'M00040', 'BC00078', TO\_DATE('2024-02-13', 'YYYY-MM-DD'), TO\_DATE('2024-02-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00235', 'M00016', 'BC00041', TO\_DATE('2024-02-14', 'YYYY-MM-DD'), TO\_DATE('2024-02-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00236', 'M00014', 'BC00052', TO\_DATE('2024-02-15', 'YYYY-MM-DD'), TO\_DATE('2024-02-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00237', 'M00003', 'BC00004', TO\_DATE('2024-02-16', 'YYYY-MM-DD'), TO\_DATE('2024-02-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00238', 'M00028', 'BC00077', TO\_DATE('2024-02-17', 'YYYY-MM-DD'), TO\_DATE('2024-02-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00239', 'M00009', 'BC00034', TO\_DATE('2024-02-18', 'YYYY-MM-DD'), TO\_DATE('2024-02-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00240', 'M00022', 'BC00018', TO\_DATE('2024-02-19', 'YYYY-MM-DD'), TO\_DATE('2024-02-26', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00241', 'M00013', 'BC00029', TO\_DATE('2024-02-20', 'YYYY-MM-DD'), TO\_DATE('2024-02-27', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00242', 'M00024', 'BC00058', TO\_DATE('2024-02-21', 'YYYY-MM-DD'), TO\_DATE('2024-02-28', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00243', 'M00005', 'BC00061', TO\_DATE('2024-02-22', 'YYYY-MM-DD'), TO\_DATE('2024-02-29', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00244', 'M00010', 'BC00013', TO\_DATE('2024-02-23', 'YYYY-MM-DD'), TO\_DATE('2024-03-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00245', 'M00025', 'BC00074', TO\_DATE('2024-02-24', 'YYYY-MM-DD'), TO\_DATE('2024-03-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00246', 'M00003', 'BC00035', TO\_DATE('2024-02-25', 'YYYY-MM-DD'), TO\_DATE('2024-03-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00247', 'M00014', 'BC00096', TO\_DATE('2024-02-26', 'YYYY-MM-DD'), TO\_DATE('2024-03-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00248', 'M00042', 'BC00009', TO\_DATE('2024-02-27', 'YYYY-MM-DD'), TO\_DATE('2024-03-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00249', 'M00044', 'BC00082', TO\_DATE('2024-02-28', 'YYYY-MM-DD'), TO\_DATE('2024-03-06', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00250', 'M00023', 'BC00047', TO\_DATE('2024-02-29', 'YYYY-MM-DD'), TO\_DATE('2024-03-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00251', 'M00041', 'BC00094', TO\_DATE('2025-01-11', 'YYYY-MM-DD'), TO\_DATE('2025-01-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00252', 'M00014', 'BC00019', TO\_DATE('2025-02-25', 'YYYY-MM-DD'), TO\_DATE('2025-03-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00253', 'M00004', 'BC00012', TO\_DATE('2025-01-31', 'YYYY-MM-DD'), TO\_DATE('2025-02-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00254', 'M00004', 'BC00012', TO\_DATE('2025-03-31', 'YYYY-MM-DD'), TO\_DATE('2025-04-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00255', 'M00004', 'BC00012', TO\_DATE('2025-04-5', 'YYYY-MM-DD'), TO\_DATE('2025-04-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00256', 'M00019', 'BC00022', TO\_DATE('2025-02-17', 'YYYY-MM-DD'), TO\_DATE('2025-02-24', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00257', 'M00016', 'BC00036', TO\_DATE('2025-03-07', 'YYYY-MM-DD'), TO\_DATE('2025-03-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00258', 'M00017', 'BC00030', TO\_DATE('2025-03-07', 'YYYY-MM-DD'), TO\_DATE('2025-03-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00259', 'M00021', 'BC00008', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), TO\_DATE('2025-04-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00260', 'M00006', 'BC00064', TO\_DATE('2025-01-13', 'YYYY-MM-DD'), TO\_DATE('2025-01-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00261', 'M00005', 'BC00003', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), TO\_DATE('2025-04-10', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00262', 'M00014', 'BC00003', TO\_DATE('2025-03-16', 'YYYY-MM-DD'), TO\_DATE('2025-03-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00263', 'M00048', 'BC00057', TO\_DATE('2025-02-14', 'YYYY-MM-DD'), TO\_DATE('2025-02-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00264', 'M00047', 'BC00055', TO\_DATE('2025-01-14', 'YYYY-MM-DD'), TO\_DATE('2025-01-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00265', 'M00024', 'BC00083', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), TO\_DATE('2025-04-18', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00266', 'M00034', 'BC00004', TO\_DATE('2025-03-16', 'YYYY-MM-DD'), TO\_DATE('2025-03-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00267', 'M00025', 'BC00010', TO\_DATE('2025-04-18', 'YYYY-MM-DD'), TO\_DATE('2025-04-25', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00268', 'M00028', 'BC00096', TO\_DATE('2025-02-12', 'YYYY-MM-DD'), TO\_DATE('2025-02-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00269', 'M00010', 'BC00082', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), TO\_DATE('2025-04-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00270', 'M00047', 'BC00082', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), TO\_DATE('2025-04-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00271', 'M00021', 'BC00038', TO\_DATE('2025-02-15', 'YYYY-MM-DD'), TO\_DATE('2025-02-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00272', 'M00022', 'BC00023', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00273', 'M00018', 'BC00080', TO\_DATE('2025-03-26', 'YYYY-MM-DD'), TO\_DATE('2025-04-02', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00274', 'M00017', 'BC00084', TO\_DATE('2025-04-16', 'YYYY-MM-DD'), TO\_DATE('2025-04-23', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00275', 'M00018', 'BC00024', TO\_DATE('2025-01-27', 'YYYY-MM-DD'), TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00276', 'M00018', 'BC00030', TO\_DATE('2025-01-25', 'YYYY-MM-DD'), TO\_DATE('2025-02-01', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00277', 'M00004', 'BC00099', TO\_DATE('2025-03-27', 'YYYY-MM-DD'), TO\_DATE('2025-04-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00278', 'M00036', 'BC00044', TO\_DATE('2025-02-14', 'YYYY-MM-DD'), TO\_DATE('2025-02-21', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00279', 'M00016', 'BC00078', TO\_DATE('2025-03-09', 'YYYY-MM-DD'), TO\_DATE('2025-03-16', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00280', 'M00034', 'BC00003', TO\_DATE('2025-01-27', 'YYYY-MM-DD'), TO\_DATE('2025-02-03', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00281', 'M00046', 'BC00019', TO\_DATE('2025-01-31', 'YYYY-MM-DD'), TO\_DATE('2025-02-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00282', 'M00034', 'BC00084', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), TO\_DATE('2025-04-15', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00283', 'M00006', 'BC00038', TO\_DATE('2025-02-25', 'YYYY-MM-DD'), TO\_DATE('2025-03-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00284', 'M00046', 'BC00048', TO\_DATE('2025-02-25', 'YYYY-MM-DD'), TO\_DATE('2025-03-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00285', 'M00002', 'BC00056', TO\_DATE('2025-03-04', 'YYYY-MM-DD'), TO\_DATE('2025-03-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00286', 'M00024', 'BC00029', TO\_DATE('2025-02-06', 'YYYY-MM-DD'), TO\_DATE('2025-02-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00287', 'M00028', 'BC00040', TO\_DATE('2025-02-12', 'YYYY-MM-DD'), TO\_DATE('2025-02-19', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00288', 'M00009', 'BC00032', TO\_DATE('2025-02-28', 'YYYY-MM-DD'), TO\_DATE('2025-03-07', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00289', 'M00037', 'BC00061', TO\_DATE('2025-03-02', 'YYYY-MM-DD'), TO\_DATE('2025-03-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00290', 'M00014', 'BC00062', TO\_DATE('2025-03-13', 'YYYY-MM-DD'), TO\_DATE('2025-03-20', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00291', 'M00033', 'BC00077', TO\_DATE('2025-03-15', 'YYYY-MM-DD'), TO\_DATE('2025-03-22', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00292', 'M00019', 'BC00064', TO\_DATE('2025-03-23', 'YYYY-MM-DD'), TO\_DATE('2025-03-30', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00293', 'M00032', 'BC00028', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), TO\_DATE('2025-04-11', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00294', 'M00049', 'BC00070', TO\_DATE('2025-03-28', 'YYYY-MM-DD'), TO\_DATE('2025-04-04', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00295', 'M00002', 'BC00072', TO\_DATE('2025-03-29', 'YYYY-MM-DD'), TO\_DATE('2025-04-05', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00296', 'M00043', 'BC00088', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), TO\_DATE('2025-04-09', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00297', 'M00001', 'BC00021', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), TO\_DATE('2025-04-12', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00298', 'M00036', 'BC00097', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), TO\_DATE('2025-04-13', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00299', 'M00005', 'BC00011', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO BorrowBook (BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate) VALUES ('BB00300', 'M00032', 'BC00095', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), TO\_DATE('2025-04-16', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000001', 'BB00001', TO\_DATE('2025-03-21', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000002', 'BB00002', TO\_DATE('2025-12-21', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000003', 'BB00003', TO\_DATE('2025-06-28', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000004', 'BB00004', TO\_DATE('2025-04-25', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000005', 'BB00005', TO\_DATE('2025-07-02', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000006', 'BB00006', TO\_DATE('2025-03-23', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000007', 'BB00007', TO\_DATE('2025-07-23', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000008', 'BB00008', TO\_DATE('2025-07-09', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000009', 'BB00009', TO\_DATE('2025-08-01', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000010', 'BB00010', TO\_DATE('2025-12-01', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000011', 'BB00011', TO\_DATE('2025-11-19', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000012', 'BB00012', TO\_DATE('2025-08-30', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000013', 'BB00013', TO\_DATE('2025-02-17', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000014', 'BB00014', TO\_DATE('2025-01-27', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000015', 'BB00015', TO\_DATE('2025-08-28', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000016', 'BB00016', TO\_DATE('2025-06-13', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000017', 'BB00017', TO\_DATE('2025-09-19', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000018', 'BB00018', TO\_DATE('2025-07-09', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000019', 'BB00019', TO\_DATE('2025-11-09', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000020', 'BB00020', TO\_DATE('2025-06-01', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000021', 'BB00021', TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000022', 'BB00022', TO\_DATE('2025-08-24', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000023', 'BB00023', TO\_DATE('2025-12-27', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000024', 'BB00024', TO\_DATE('2025-07-13', 'YYYY-MM-DD'));

INSERT INTO LoanExtension (LoanExtensionID, BorrowBookID, ExtendedDueDate) VALUES ('LE00000025', 'BB00025', TO\_DATE('2025-06-25', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00001', 'BB00131', 'On Time', TO\_DATE('2025-04-01', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00002', 'BB00111', 'Late', TO\_DATE('2025-04-12', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00003', 'BB00170', 'On Time', TO\_DATE('2025-02-22', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00004', 'BB00166', 'On Time', TO\_DATE('2025-03-03', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00005', 'BB00177', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00006', 'BB00113', 'Late', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00007', 'BB00151', 'On Time', TO\_DATE('2025-02-01', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00008', 'BB00195', 'On Time', TO\_DATE('2025-01-21', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00009', 'BB00193', 'On Time', TO\_DATE('2025-03-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00010', 'BB00191', 'Late', TO\_DATE('2025-03-05', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00011', 'BB00183', 'On Time', TO\_DATE('2025-03-08', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00012', 'BB00198', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00013', 'BB00078', 'On Time', TO\_DATE('2025-01-20', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00014', 'BB00115', 'Late', TO\_DATE('2025-02-12', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00015', 'BB00175', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00016', 'BB00088', 'On Time', TO\_DATE('2025-03-07', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00017', 'BB00010', 'Late', TO\_DATE('2025-03-12', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00018', 'BB00076', 'On Time', TO\_DATE('2025-03-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00019', 'BB00097', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00020', 'BB00058', 'On Time', TO\_DATE('2025-03-01', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00021', 'BB00122', 'Late', TO\_DATE('2025-04-15', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00022', 'BB00100', 'Late', TO\_DATE('2025-03-30', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00023', 'BB00022', 'On Time', TO\_DATE('2025-03-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00024', 'BB00156', 'On Time', TO\_DATE('2025-01-05', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00025', 'BB00167', 'On Time', TO\_DATE('2025-03-25', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00026', 'BB00054', 'On Time', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00027', 'BB00099', 'On Time', TO\_DATE('2025-01-25', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00028', 'BB00066', 'On Time', TO\_DATE('2025-02-15', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00029', 'BB00056', 'On Time', TO\_DATE('2025-03-10', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00030', 'BB00039', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00031', 'BB00094', 'On Time', TO\_DATE('2025-04-01', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00032', 'BB00035', 'Late', TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00033', 'BB00070', 'On Time', TO\_DATE('2025-03-08', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00034', 'BB00074', 'Late', TO\_DATE('2025-04-16', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00035', 'BB00083', 'On Time', TO\_DATE('2025-03-19', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00036', 'BB00037', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00037', 'BB00067', 'Late', TO\_DATE('2025-04-08', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00038', 'BB00011', 'On Time', TO\_DATE('2025-03-23', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00039', 'BB00062', 'On Time', TO\_DATE('2025-04-21', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00040', 'BB00161', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00041', 'BB00048', 'On Time', TO\_DATE('2025-04-21', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00042', 'BB00034', 'On Time', TO\_DATE('2025-03-15', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00043', 'BB00101', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00044', 'BB00171', 'On Time', TO\_DATE('2025-03-18', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00045', 'BB00180', 'On Time', TO\_DATE('2025-03-29', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00046', 'BB00086', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00047', 'BB00024', 'On Time', TO\_DATE('2025-04-17', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00048', 'BB00031', 'Late', TO\_DATE('2025-04-12', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00049', 'BB00102', 'Late', TO\_DATE('2025-04-15', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00050', 'BB00084', 'Late', TO\_DATE('2025-04-19', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00051', 'BB00147', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00052', 'BB00096', 'On Time', TO\_DATE('2025-02-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00053', 'BB00158', 'On Time', TO\_DATE('2025-04-20', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00054', 'BB00105', 'Late', TO\_DATE('2025-02-06', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00055', 'BB00178', 'Late', TO\_DATE('2025-04-02', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00056', 'BB00071', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00057', 'BB00095', 'Late', TO\_DATE('2025-04-06', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00058', 'BB00143', 'Late', TO\_DATE('2025-04-18', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00059', 'BB00112', 'On Time', TO\_DATE('2025-03-17', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00060', 'BB00128', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00061', 'BB00003', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00062', 'BB00138', 'On Time', TO\_DATE('2025-03-20', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00063', 'BB00025', 'Late', TO\_DATE('2025-03-20', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00064', 'BB00148', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00065', 'BB00150', 'Late', TO\_DATE('2025-03-25', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00066', 'BB00072', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00067', 'BB00188', 'Late', TO\_DATE('2025-04-09', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00068', 'BB00103', 'On Time', TO\_DATE('2025-01-17', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00069', 'BB00098', 'On Time', TO\_DATE('2025-02-23', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00070', 'BB00092', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00071', 'BB00125', 'On Time', TO\_DATE('2025-02-28', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00072', 'BB00001', 'On Time', TO\_DATE('2025-02-18', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00073', 'BB00051', 'On Time', TO\_DATE('2025-04-02', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00074', 'BB00016', 'On Time', TO\_DATE('2025-03-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00075', 'BB00123', 'Late', TO\_DATE('2025-04-18', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00076', 'BB00139', 'Late', TO\_DATE('2025-03-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00077', 'BB00107', 'Late', TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00078', 'BB00064', 'Late', TO\_DATE('2025-04-19', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00079', 'BB00020', 'On Time', TO\_DATE('2025-03-04', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00080', 'BB00004', 'Late', TO\_DATE('2025-04-14', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00081', 'BB00172', 'On Time', TO\_DATE('2025-04-04', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00082', 'BB00042', 'On Time', TO\_DATE('2025-02-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00083', 'BB00181', 'Late', TO\_DATE('2025-04-01', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00084', 'BB00079', 'Late', TO\_DATE('2025-03-19', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00085', 'BB00073', 'On Time', TO\_DATE('2025-04-19', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00086', 'BB00045', 'Late', TO\_DATE('2025-04-10', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00087', 'BB00162', 'On Time', TO\_DATE('2025-02-11', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00088', 'BB00121', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00089', 'BB00169', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00090', 'BB00029', 'On Time', TO\_DATE('2025-04-07', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00091', 'BB00052', 'On Time', TO\_DATE('2025-04-22', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00092', 'BB00085', 'Late', TO\_DATE('2025-04-26', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00093', 'BB00185', 'On Time', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00094', 'BB00089', 'On Time', TO\_DATE('2025-02-24', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00095', 'BB00168', 'Late', TO\_DATE('2025-03-27', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00096', 'BB00110', 'On Time', TO\_DATE('2025-01-27', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00097', 'BB00060', 'Late', TO\_DATE('2025-04-09', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00098', 'BB00154', 'On Time', TO\_DATE('2025-02-11', 'YYYY-MM-DD'));

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00099', 'BB00165', 'Lost', NULL);

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate) VALUES ('RB00100', 'BB00041', 'Late', TO\_DATE('2025-04-19', 'YYYY-MM-DD'));

INSERT INTO Staff VALUES ('STF00001', 'Alice Tan', 'alice.tan@example.com', '0123456789', 'Manager', 'Active');

INSERT INTO Staff VALUES ('STF00002', 'Ben Lim', 'ben.lim@example.com', '0112345678', 'Assistant', 'Active');

INSERT INTO Staff VALUES ('STF00003', 'Catherine Ong', 'catherine.ong@example.com', '0134567890', 'Executive', 'Inactive');

INSERT INTO Staff VALUES ('STF00004', 'David Lee', 'david.lee@example.com', '0145678901', 'Manager', 'Active');

INSERT INTO Staff VALUES ('STF00005', 'Elaine Ng', 'elaine.ng@example.com', '0156789012', 'Executive', 'Active');

INSERT INTO Staff VALUES ('STF00006', 'Faizal Rahman', 'faizal.rahman@example.com', '0167890123', 'Assistant', 'Active');

INSERT INTO Staff VALUES ('STF00007', 'Grace Low', 'grace.low@example.com', '0178901234', 'Manager', 'Inactive');

INSERT INTO Staff VALUES ('STF00008', 'Hafiz Ahmad', 'hafiz.ahmad@example.com', '0189012345', 'Executive', 'Active');

INSERT INTO Staff VALUES ('STF00009', 'Irene Teo', 'irene.teo@example.com', '0190123456', 'Assistant', 'Active');

INSERT INTO Staff VALUES ('STF00010', 'Jason Chua', 'jason.chua@example.com', '0121098765', 'Executive', 'Active');

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00001', 'STF00005', 'Library Month Waiver', 'Seasonal', 'Celebrate Library Month with waived fines',

TO\_DATE('2025-05-01', 'YYYY-MM-DD'), TO\_DATE('2025-05-31', 'YYYY-MM-DD'),

NULL, 15.00,

'Approved', 'STF00001', TO\_DATE('2025-04-10', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00002', 'STF00005', 'Library Anniversary Promo', 'Seasonal', 'Celebrate library anniversary with fine discounts',

TO\_DATE('2025-07-01', 'YYYY-MM-DD'), TO\_DATE('2025-07-10', 'YYYY-MM-DD'),

NULL, 20.00,

'Pending', NULL, NULL

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00003', 'STF00005', 'Self-Help Reader', 'Achievement', 'Encourage self-help book borrowing',

TO\_DATE('2025-01-01', 'YYYY-MM-DD'), TO\_DATE('2025-12-31', 'YYYY-MM-DD'),

'Borrow 10 Self-Help books in a year', 30.00,

'Approved', 'STF00001', TO\_DATE('2025-01-15', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00004', 'STF00005', 'Mystery Explorer', 'Achievement', 'Mystery genre reading goal',

TO\_DATE('2025-01-01', 'YYYY-MM-DD'), TO\_DATE('2025-12-31', 'YYYY-MM-DD'),

'Borrow 5 Mystery books in a year', 25.00,

'Rejected', 'STF00001', TO\_DATE('2025-01-20', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00005', 'STF00005', 'Sci-Fi Monthly', 'Achievement', 'Read futuristic books monthly',

TO\_DATE('2025-04-01', 'YYYY-MM-DD'), TO\_DATE('2025-04-30', 'YYYY-MM-DD'),

'Borrow 2 Science Fiction books in a month', 20.00,

'Pending', NULL, NULL

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00006', 'STF00005', 'Reading Month Discount', 'Seasonal', 'Enjoy discounts during national reading month',

TO\_DATE('2025-06-01', 'YYYY-MM-DD'), TO\_DATE('2025-06-30', 'YYYY-MM-DD'),

NULL, 18.00,

'Approved', 'STF00001', TO\_DATE('2025-04-12', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00007', 'STF00005', 'World Book Day', 'Event', 'Special campaign for World Book Day',

TO\_DATE('2025-04-23', 'YYYY-MM-DD'), TO\_DATE('2025-04-23', 'YYYY-MM-DD'),

NULL, 10.00,

'Pending', NULL, NULL

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00008', 'STF00005', 'Romance Reading Challenge', 'Achievement', 'Boost interest in romance genre',

TO\_DATE('2025-01-01', 'YYYY-MM-DD'), TO\_DATE('2025-12-31', 'YYYY-MM-DD'),

'Borrow 6 Romance books in a year', 22.00,

'Approved', 'STF00001', TO\_DATE('2025-03-01', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00009', 'STF00005', 'Back to School Drive', 'Event', 'Encouragement for school season readers',

TO\_DATE('2025-03-01', 'YYYY-MM-DD'), TO\_DATE('2025-03-15', 'YYYY-MM-DD'),

NULL, 12.50,

'Rejected', 'STF00001', TO\_DATE('2025-02-25', 'YYYY-MM-DD')

);

INSERT INTO Campaign (

CampaignID, StaffID, CampaignName, CampaignType, Description,

StartDate, EndDate, Conditions, DiscountPercentage,

ApprovalStatus, ApprovedByStaffID, ApprovalDate

)

VALUES (

'CMP00010', 'STF00005', 'Childrens Book Month', 'Achievement', 'Read children books for rewards',

TO\_DATE('2025-04-01', 'YYYY-MM-DD'), TO\_DATE('2025-04-30', 'YYYY-MM-DD'),

'Borrow 3 Children books in a month', 15.00,

'Pending', NULL, NULL

);

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00001', 'M00001', 'CMP00001', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00002', 'M00002', 'CMP00002', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00003', 'M00003', 'CMP00003', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00004', 'M00004', 'CMP00004', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00005', 'M00005', 'CMP00005', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00006', 'M00006', 'CMP00006', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00007', 'M00007', 'CMP00007', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00008', 'M00008', 'CMP00008', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00009', 'M00009', 'CMP00009', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00010', 'M00010', 'CMP00010', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00011', 'M00011', 'CMP00001', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00012', 'M00012', 'CMP00002', TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00013', 'M00013', 'CMP00003', TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00014', 'M00014', 'CMP00004', TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00015', 'M00015', 'CMP00005', TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00016', 'M00016', 'CMP00006', TO\_DATE('2025-04-16', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00017', 'M00017', 'CMP00007', TO\_DATE('2025-04-17', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00018', 'M00018', 'CMP00008', TO\_DATE('2025-04-18', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00019', 'M00019', 'CMP00009', TO\_DATE('2025-04-19', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00020', 'M00020', 'CMP00010', TO\_DATE('2025-04-20', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00021', 'M00021', 'CMP00001', TO\_DATE('2025-05-01', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00022', 'M00022', 'CMP00002', TO\_DATE('2025-05-02', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00023', 'M00023', 'CMP00003', TO\_DATE('2025-05-03', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00024', 'M00024', 'CMP00004', TO\_DATE('2025-05-04', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00025', 'M00025', 'CMP00005', TO\_DATE('2025-05-05', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00026', 'M00026', 'CMP00006', TO\_DATE('2025-05-06', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00027', 'M00027', 'CMP00007', TO\_DATE('2025-05-07', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00028', 'M00028', 'CMP00008', TO\_DATE('2025-05-08', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00029', 'M00029', 'CMP00009', TO\_DATE('2025-05-09', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00030', 'M00030', 'CMP00010', TO\_DATE('2025-05-10', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00031', 'M00005', 'CMP00001', TO\_DATE('2025-05-11', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00032', 'M00010', 'CMP00002', TO\_DATE('2025-05-12', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00033', 'M00015', 'CMP00003', TO\_DATE('2025-05-13', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00034', 'M00020', 'CMP00004', TO\_DATE('2025-05-14', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00035', 'M00025', 'CMP00005', TO\_DATE('2025-05-15', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00036', 'M00030', 'CMP00006', TO\_DATE('2025-05-16', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00037', 'M00003', 'CMP00007', TO\_DATE('2025-05-17', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00038', 'M00006', 'CMP00008', TO\_DATE('2025-05-18', 'YYYY-MM-DD'), 'Y');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00039', 'M00009', 'CMP00009', TO\_DATE('2025-05-19', 'YYYY-MM-DD'), 'N');

INSERT INTO MemberCampaign (MemberCampaignId, MemberId, CampaignId, AssignedDate, IsUsed) VALUES ('MC00040', 'M00012', 'CMP00010', TO\_DATE('2025-05-20', 'YYYY-MM-DD'), 'Y');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00001', NULL, 'BB00002', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00002', 'MC00022', 'BB00003', 112.62, TO\_DATE('2025-03-27', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00003', NULL, 'BB00004', 6.00, TO\_DATE('2025-03-10', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00004', NULL, 'BB00005', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00005', NULL, 'BB00006', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00006', NULL, 'BB00007', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00007', NULL, 'BB00008', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00008', NULL, 'BB00009', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00009', NULL, 'BB00010', 19.00, TO\_DATE('2025-02-13', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00010', NULL, 'BB00012', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00011', NULL, 'BB00013', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00012', NULL, 'BB00014', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00013', NULL, 'BB00015', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00014', NULL, 'BB00017', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00015', NULL, 'BB00018', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00016', NULL, 'BB00021', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00017', NULL, 'BB00023', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00018', NULL, 'BB00025', 5.00, TO\_DATE('2025-03-06', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00019', NULL, 'BB00026', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00020', NULL, 'BB00028', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00021', NULL, 'BB00030', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00022', NULL, 'BB00031', 86.00, TO\_DATE('2025-04-16', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00023', NULL, 'BB00032', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00024', NULL, 'BB00033', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00025', NULL, 'BB00035', 5.00, TO\_DATE('2025-03-19', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00026', NULL, 'BB00036', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00027', NULL, 'BB00037', 118.32, TO\_DATE('2025-02-20', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00028', NULL, 'BB00039', 30.80, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00029', NULL, 'BB00041', 20.00, TO\_DATE('2025-02-04', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00030', NULL, 'BB00044', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00031', NULL, 'BB00045', 6.00, TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00032', NULL, 'BB00047', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00033', NULL, 'BB00049', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00034', NULL, 'BB00050', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00035', NULL, 'BB00053', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00036', NULL, 'BB00055', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00037', NULL, 'BB00057', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00038', NULL, 'BB00059', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00039', NULL, 'BB00060', 5.00, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00040', NULL, 'BB00061', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00041', NULL, 'BB00063', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00042', NULL, 'BB00064', 5.00, TO\_DATE('2025-04-19', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00043', NULL, 'BB00065', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00044', NULL, 'BB00067', 66.00, TO\_DATE('2025-03-30', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00045', NULL, 'BB00068', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00046', NULL, 'BB00069', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00047', NULL, 'BB00071', 77.73, TO\_DATE('2025-01-31', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00048', NULL, 'BB00072', 52.13, TO\_DATE('2025-01-11', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00049', NULL, 'BB00074', 18.00, TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00050', NULL, 'BB00075', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00051', NULL, 'BB00079', 24.00, TO\_DATE('2025-03-23', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00052', NULL, 'BB00080', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00053', NULL, 'BB00081', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00054', NULL, 'BB00082', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00055', NULL, 'BB00084', 5.00, TO\_DATE('2025-04-19', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00056', NULL, 'BB00085', 7.00, TO\_DATE('2025-03-14', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00057', NULL, 'BB00086', 42.57, TO\_DATE('2025-03-18', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00058', NULL, 'BB00087', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00059', NULL, 'BB00090', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00060', NULL, 'BB00091', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00061', NULL, 'BB00092', 20.94, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00062', NULL, 'BB00093', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00063', NULL, 'BB00095', 5.00, TO\_DATE('2025-01-13', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00064', NULL, 'BB00097', 42.57, TO\_DATE('2025-02-27', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00065', NULL, 'BB00100', 64.00, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00066', NULL, 'BB00101', 22.88, TO\_DATE('2025-01-28', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00067', NULL, 'BB00102', 5.00, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00068', NULL, 'BB00104', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00069', NULL, 'BB00105', 56.00, TO\_DATE('2025-03-13', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00070', NULL, 'BB00106', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00071', NULL, 'BB00107', 55.00, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00072', NULL, 'BB00108', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00073', NULL, 'BB00111', 5.00, TO\_DATE('2025-04-17', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00074', NULL, 'BB00113', 38.00, TO\_DATE('2025-03-29', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00075', NULL, 'BB00115', 32.00, TO\_DATE('2025-03-08', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00076', NULL, 'BB00117', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00077', NULL, 'BB00118', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00078', NULL, 'BB00119', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00079', NULL, 'BB00120', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00080', NULL, 'BB00121', 141.46, TO\_DATE('2025-04-21', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00081', NULL, 'BB00122', 24.00, TO\_DATE('2025-03-11', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00082', NULL, 'BB00123', 16.00, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00083', NULL, 'BB00124', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00084', NULL, 'BB00126', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00085', NULL, 'BB00127', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00086', NULL, 'BB00128', 42.57, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00087', NULL, 'BB00129', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00088', NULL, 'BB00130', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00089', NULL, 'BB00132', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00090', NULL, 'BB00133', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00091', NULL, 'BB00134', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00092', NULL, 'BB00135', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00093', NULL, 'BB00136', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00094', NULL, 'BB00137', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00095', NULL, 'BB00139', 5.00, TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00096', NULL, 'BB00140', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00097', NULL, 'BB00141', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00098', NULL, 'BB00142', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00099', NULL, 'BB00143', 5.00, TO\_DATE('2025-02-13', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00100', NULL, 'BB00144', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00101', NULL, 'BB00145', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00102', NULL, 'BB00146', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00103', NULL, 'BB00147', 115.41, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00104', NULL, 'BB00148', 36.41, TO\_DATE('2025-03-20', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00105', NULL, 'BB00150', 5.00, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00106', NULL, 'BB00152', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00107', NULL, 'BB00153', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00108', NULL, 'BB00155', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00109', NULL, 'BB00157', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00110', NULL, 'BB00159', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00111', NULL, 'BB00160', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00112', NULL, 'BB00161', 136.56, TO\_DATE('2025-02-28', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00113', NULL, 'BB00163', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00114', NULL, 'BB00164', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00115', NULL, 'BB00165', 109.47, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00116', NULL, 'BB00168', 28.00, TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00117', NULL, 'BB00169', 130.56, TO\_DATE('2025-03-31', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00118', NULL, 'BB00173', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00119', NULL, 'BB00174', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00120', NULL, 'BB00175', 31.48, TO\_DATE('2025-01-08', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00121', NULL, 'BB00176', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00122', NULL, 'BB00177', 82.57, TO\_DATE('2025-01-13', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00123', NULL, 'BB00178', 5.00, TO\_DATE('2025-03-16', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00124', NULL, 'BB00181', 31.00, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00125', NULL, 'BB00182', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00126', NULL, 'BB00184', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00127', NULL, 'BB00186', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00128', NULL, 'BB00187', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00129', NULL, 'BB00188', 5.00, TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00130', NULL, 'BB00189', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00131', NULL, 'BB00190', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00132', NULL, 'BB00191', 40.00, TO\_DATE('2025-03-11', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00133', NULL, 'BB00192', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00134', NULL, 'BB00194', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00135', NULL, 'BB00196', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00136', NULL, 'BB00197', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00137', NULL, 'BB00198', 82.57, TO\_DATE('2025-04-23', 'YYYY-MM-DD'), 'Paid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00138', NULL, 'BB00199', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00139', NULL, 'BB00200', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00140', NULL, 'BB00201', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00141', NULL, 'BB00203', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00142', NULL, 'BB00204', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00143', NULL, 'BB00206', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00144', NULL, 'BB00207', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00145', NULL, 'BB00208', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00146', NULL, 'BB00209', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00147', NULL, 'BB00210', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00148', NULL, 'BB00211', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00149', NULL, 'BB00212', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00150', NULL, 'BB00214', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00151', NULL, 'BB00215', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00152', NULL, 'BB00216', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00153', NULL, 'BB00217', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00154', NULL, 'BB00218', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00155', NULL, 'BB00219', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00156', NULL, 'BB00220', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00157', NULL, 'BB00221', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00158', NULL, 'BB00222', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00159', NULL, 'BB00224', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00160', NULL, 'BB00225', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00161', NULL, 'BB00226', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00162', NULL, 'BB00227', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00163', NULL, 'BB00228', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00164', NULL, 'BB00230', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00165', NULL, 'BB00231', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00166', NULL, 'BB00232', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00167', NULL, 'BB00233', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00168', NULL, 'BB00235', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00169', NULL, 'BB00236', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00170', NULL, 'BB00237', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00171', NULL, 'BB00238', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00172', NULL, 'BB00239', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00173', NULL, 'BB00240', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00174', NULL, 'BB00241', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00175', NULL, 'BB00242', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00176', NULL, 'BB00244', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00177', NULL, 'BB00245', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00178', NULL, 'BB00246', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00179', NULL, 'BB00247', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00180', NULL, 'BB00248', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00181', NULL, 'BB00249', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00182', NULL, 'BB00250', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00183', NULL, 'BB00251', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00184', NULL, 'BB00252', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00185', NULL, 'BB00253', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00186', NULL, 'BB00254', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00187', NULL, 'BB00255', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00188', NULL, 'BB00256', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00189', NULL, 'BB00257', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00190', NULL, 'BB00259', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00191', NULL, 'BB00260', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00192', NULL, 'BB00261', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00193', NULL, 'BB00262', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00194', NULL, 'BB00263', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00195', NULL, 'BB00264', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00196', NULL, 'BB00266', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00197', NULL, 'BB00268', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00198', NULL, 'BB00269', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00199', NULL, 'BB00270', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00200', NULL, 'BB00271', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00201', NULL, 'BB00272', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00202', NULL, 'BB00273', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00203', NULL, 'BB00275', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00204', NULL, 'BB00276', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00205', NULL, 'BB00277', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00206', NULL, 'BB00278', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00207', NULL, 'BB00279', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00208', NULL, 'BB00280', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00209', NULL, 'BB00281', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00210', NULL, 'BB00282', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00211', NULL, 'BB00283', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00212', NULL, 'BB00285', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00213', NULL, 'BB00286', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00214', NULL, 'BB00287', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00215', NULL, 'BB00288', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00216', NULL, 'BB00289', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00217', NULL, 'BB00290', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00218', NULL, 'BB00291', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00219', NULL, 'BB00292', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00220', NULL, 'BB00293', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00221', NULL, 'BB00294', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00222', NULL, 'BB00295', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00223', NULL, 'BB00296', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00224', NULL, 'BB00297', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00225', NULL, 'BB00298', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00226', NULL, 'BB00299', NULL, NULL, 'Unpaid');

INSERT INTO Fine (FineID, MemberCampaignID, BorrowBookID, Amount, PaymentDate, FineStatus) VALUES ('F00227', NULL, 'BB00300', NULL, NULL, 'Unpaid');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00001', 'F00001', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 6.75, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00002', 'F00002', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 8.5, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00003', 'F00003', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 8.0, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00004', 'F00004', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 9.75, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00005', 'F00005', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 11.5, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00006', 'F00006', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 11.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00007', 'F00007', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 12.75, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00008', 'F00008', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 14.5, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00009', 'F00009', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 14.0, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00010', 'F00010', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 15.75, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00011', 'F00011', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 17.5, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00012', 'F00012', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 17.0, TO\_DATE('2025-04-14', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00013', 'F00013', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 18.75, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00014', 'F00014', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 20.5, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00015', 'F00015', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 20.0, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00016', 'F00016', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 21.75, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00017', 'F00017', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 23.5, TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00018', 'F00018', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 23.0, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00019', 'F00019', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 24.75, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00020', 'F00020', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 26.5, TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00021', 'F00021', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 26.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00022', 'F00022', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 27.75, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00023', 'F00023', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 29.5, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00024', 'F00024', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 29.0, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00025', 'F00025', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 30.75, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00026', 'F00026', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 32.5, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00027', 'F00027', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 32.0, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00028', 'F00028', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 33.75, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00029', 'F00029', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 35.5, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00030', 'F00030', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 35.0, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00031', 'F00031', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 36.75, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00032', 'F00032', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 38.5, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00033', 'F00033', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 38.0, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00034', 'F00034', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 39.75, TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00035', 'F00035', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 41.5, TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00036', 'F00036', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 41.0, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00037', 'F00037', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 42.75, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00038', 'F00038', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 44.5, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00039', 'F00039', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 44.0, TO\_DATE('2025-04-16', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00040', 'F00040', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 45.75, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00041', 'F00041', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 47.5, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00042', 'F00042', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 47.0, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00043', 'F00043', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 48.75, TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00044', 'F00044', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 50.5, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00045', 'F00045', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 50.0, TO\_DATE('2025-04-15', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00046', 'F00046', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 5.75, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00047', 'F00047', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 7.5, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00048', 'F00048', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 7.0, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00049', 'F00049', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 8.75, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00050', 'F00050', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 10.5, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00051', 'F00051', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 10.0, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00052', 'F00052', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 11.75, TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00053', 'F00053', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 13.5, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00054', 'F00054', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 13.0, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00055', 'F00055', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 14.75, TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00056', 'F00056', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 16.5, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00057', 'F00057', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 16.0, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00058', 'F00058', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 17.75, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00059', 'F00059', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 19.5, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00060', 'F00060', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 19.0, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00061', 'F00061', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 20.75, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Online', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00062', 'F00062', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 22.5, TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'Online', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00063', 'F00063', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 22.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00064', 'F00064', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 23.75, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00065', 'F00065', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 25.5, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00066', 'F00066', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 25.0, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00067', 'F00067', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 26.75, TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00068', 'F00068', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 28.5, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00069', 'F00069', TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 28.0, TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00070', 'F00070', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 29.75, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00071', 'F00071', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 31.5, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00072', 'F00072', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 31.0, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00073', 'F00073', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 32.75, TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00074', 'F00074', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 34.5, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00075', 'F00075', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 34.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00076', 'F00076', TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 35.75, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00077', 'F00077', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 37.5, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Card', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00078', 'F00078', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 37.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Online', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00079', 'F00079', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 38.75, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00080', 'F00080', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 40.5, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00081', 'F00081', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 40.0, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00082', 'F00082', TO\_DATE('2025-04-02', 'YYYY-MM-DD'), 41.75, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00083', 'F00083', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 43.5, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Online', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00084', 'F00084', TO\_DATE('2025-04-03', 'YYYY-MM-DD'), 43.0, TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00085', 'F00085', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 44.75, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00086', 'F00086', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 46.5, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00087', 'F00087', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 46.0, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00088', 'F00088', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 47.75, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00089', 'F00089', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 49.5, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Online', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00090', 'F00090', TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 49.0, TO\_DATE('2025-04-12', 'YYYY-MM-DD'), 'Cash', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00091', 'F00091', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 50.75, TO\_DATE('2025-04-10', 'YYYY-MM-DD'), 'Card', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00092', 'F00092', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 6.5, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Online', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00093', 'F00093', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 6.0, TO\_DATE('2025-04-07', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00094', 'F00094', TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 7.75, TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 'Cash', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00095', 'F00095', TO\_DATE('2025-04-05', 'YYYY-MM-DD'), 9.5, TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 'Card', 'Damaged Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00096', 'F00096', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 9.0, TO\_DATE('2025-04-13', 'YYYY-MM-DD'), 'Cash', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00097', 'F00097', TO\_DATE('2025-04-06', 'YYYY-MM-DD'), 10.75, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00098', 'F00098', TO\_DATE('2025-04-01', 'YYYY-MM-DD'), 12.5, TO\_DATE('2025-04-04', 'YYYY-MM-DD'), 'Card', 'Lost Fee Payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00099', 'F00099', TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 12.0, TO\_DATE('2025-04-09', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Invoice (InvoiceID, FineID, IssueDate, Amount, PaymentDate, PaymentMethod, Remark)

VALUES ('INV00100', 'F00100', TO\_DATE('2025-04-08', 'YYYY-MM-DD'), 13.75, TO\_DATE('2025-04-11', 'YYYY-MM-DD'), 'Card', 'Late fee payment');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00001', 'Fiction', 'Fictional books including novels and short stories');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00002', 'Non-Fiction', 'Books based on real events or biographies');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00003', 'Mystery', 'Books that involve solving a crime or uncovering secrets');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00004', 'Science Fiction', 'Books that explore futuristic concepts and technology');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00005', 'Fantasy', 'Books with magical elements or imaginary worlds');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00006', 'Educational', 'Books that provide information on various subjects');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00007', 'Historical', 'Books based on real-life incidents or history');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00008', 'Romance', 'Books that explore romantic relationships');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00009', 'Children', 'Books for children and young readers');

INSERT INTO Genre (GenreID, GenreName, Description) VALUES ('G00010', 'Self-Help', 'Books that focus on self-help and motivation');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978918486085683', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978653049967802', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978160167712882', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978118598993540', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978413383564627', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978582818734182', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978399319494707', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978647894640884', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978967503790845', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978196740169139', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978110985905744', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978414191980380', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978108081334896', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978240461922119', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978669394297950', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978860405874562', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978187478216498', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978431022003932', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978389148186586', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978834650104565', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978307818239731', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978106967995749', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978374945611267', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978300126240007', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978422163244009', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978263701729101', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978396733209342', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978930468382419', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978527703449123', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978949147054427', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978210701261571', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978565523649203', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978248706205361', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978770200228980', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978992277455087', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978799142834427', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978756814510443', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978125089731809', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978430224098240', 'G00003');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978358664446579', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978649100501508', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978327257449613', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978209939785296', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978281281973001', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978420057966693', 'G00002');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978190029955127', 'G00006');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978960126264520', 'G00001');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978100849738142', 'G00005');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978344477681286', 'G00004');

INSERT INTO BookGenre (ISBN, GenreID) VALUES ('978802533807786', 'G00001');

## 

## Chapter 4 Queries, Procedures, Triggers and Reports

### 4.1 JIMMY CHAN KAH LOK

#### 4.1.1 Query 1: Number of "Ready for Pickup" Reservations Today by Book Title

**Purpose:**

**Help librarians plan staffing and operations based on today’s workload — shows how many reservations are ready for pickup today, grouped by book title. (Tactical Level)**

**Query Code:**

SET PAGESIZE 200

COLUMN Title HEADING 'Book Title' FORMAT A40

COLUMN TotalReservationsToday HEADING 'Total Reservation Today' FORMAT 9999

BREAK ON REPORT

COMPUTE SUM LABEL 'TOTAL' OF TotalReservationsToday ON REPORT

SELECT

B.Title,

COUNT(\*) AS TotalReservationsToday

FROM

Reservation R

JOIN

Book B ON R.ISBN = B.ISBN

WHERE

R.Status = 'Ready for Pickup'

AND TRUNC(R.ReservationDate) = TRUNC(SYSDATE)

GROUP BY

B.Title

ORDER BY

TotalReservationsToday DESC;

**Sample Output:**

| **Book Title Total Reservation Today**  **---------------------------------------- -----------------------**  **Cloud Computing 2 2**  **Database Design 2 1**  **Software Engineering 4 1**  **Python Essentials 5 1**  **Cybersecurity 101 5 1**  **Mobile App Dev 5 1**  **Database Design 1 1**  **Mobile App Dev 1 1**  **-----------------------**  **TOTAL 9**  **8 rows selected.** |
| --- |

#### 4.1.2 Query 2: DueBookSummary with Member Names

**Purpose:**

**Assist librarians in identifying members who have books due today and tomorrow, allowing them to proactively manage short-term returns and send timely reminders. The query groups borrow records by due date and member, providing both the total number of books due and the names of the members responsible. (Tactical Level)**

**Query Code:**

COLUMN Due\_Group HEADING 'Due Group' FORMAT A30

COLUMN MemberID HEADING 'Member ID' FORMAT A10

COLUMN MemberName HEADING 'Member Name' FORMAT A25

COLUMN "No of BookDue" HEADING 'Books Due' FORMAT 9999

BREAK ON Due\_Group SKIP 1

COMPUTE SUM LABEL 'TOTAL' OF "No of BookDue" ON Due\_Group

SELECT

CASE

WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE) THEN

'Due Today (' || TO\_CHAR(SYSDATE, 'YYYY-MM-DD') || ')'

WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE + 1) THEN

'Due Tomorrow (' || TO\_CHAR(SYSDATE + 1, 'YYYY-MM-DD') || ')'

END AS Due\_Group,

M.MemberID,

M.Name AS MemberName,

COUNT(\*) AS "No of BookDue"

FROM

BorrowBook BB

JOIN

Member M ON BB.MemberID = M.MemberID

WHERE

TRUNC(BB.DueDate) IN (TRUNC(SYSDATE), TRUNC(SYSDATE + 1))

GROUP BY

CASE

WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE) THEN

'Due Today (' || TO\_CHAR(SYSDATE, 'YYYY-MM-DD') || ')'

WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE + 1) THEN

'Due Tomorrow (' || TO\_CHAR(SYSDATE + 1, 'YYYY-MM-DD') || ')'

END,

M.MemberID,

M.Name;

**Sample Output:**

|  |
| --- |

#### 4.1.3 Procedure 1: Update Reservation Status to ‘Ready for Pickup’

**Purpose:**

**The purpose of this procedure is to handle the automatic processing of pending reservations in a library system. Its main objective is to check for any book reservations with the status 'Pending', verify the availability of corresponding book copies, and update the reservation status to 'Ready for Pickup' if an available copy is found and assign the current date to the ready for pickup date.**

**Procedure Code:**

CREATE OR REPLACE PROCEDURE res IS

v\_memberID MEMBER.MemberID%TYPE;

v\_ISBN BOOK.ISBN%TYPE;

v\_BookCopyID BOOKCOPY.BookCopyID%TYPE;

v\_found BOOLEAN := FALSE;

CURSOR reservation\_cursor IS

SELECT MemberID, ISBN

FROM Reservation

WHERE Status = 'Pending';

BEGIN

OPEN reservation\_cursor;

LOOP

FETCH reservation\_cursor INTO v\_memberID, v\_ISBN;

EXIT WHEN reservation\_cursor%NOTFOUND;

v\_found := TRUE;

BEGIN

-- Find available book copy

SELECT BookCopyID

INTO v\_BookCopyID

FROM BookCopy

WHERE ISBN = v\_ISBN AND IsAvailable = 'Y'

AND ROWNUM = 1;

UPDATE Reservation

SET Status = 'Ready for Pickup',

ReadyForPickupDate = SYSDATE,

BookCopyId = v\_BookCopyID

WHERE ISBN = v\_ISBN AND MemberID = v\_memberID;

UPDATE BookCopy

SET IsAvailable = 'N'

WHERE BookCopyID = v\_BookCopyID;

DBMS\_OUTPUT.PUT\_LINE('Reservation for ' || v\_memberID || ' (' || v\_ISBN || ') set to Ready. BookCopy ' || v\_BookCopyID || ' reserved.');

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('No available copy for ISBN ' || v\_ISBN || '; skipping...');

END;

END LOOP;

CLOSE reservation\_cursor;

IF NOT v\_found THEN

DBMS\_OUTPUT.PUT\_LINE('No reservations pending.');

END IF;

COMMIT;

END;

/

**Sample Output:**

| **When the book is not available yet:**      **When the book is available and the staff run the procedure:** |
| --- |

#### 4.1.4 Procedure 2: Expired Uncollected Reservations

**Purpose: The purpose of this procedure is to automatically expire reservations if they’ve been in 'Ready for Pickup' status for 3 days, and mark the related book copy as available again.**

**Procedure Code:**

CREATE OR REPLACE PROCEDURE Uncollected\_Reservations

IS

v\_MemberID Reservation.MemberID%TYPE;

v\_ISBN Reservation.ISBN%TYPE;

v\_BookCopyID Reservation.BookCopyID%TYPE;

v\_found\_count NUMBER := 0;

no\_expired\_found EXCEPTION;

update\_failed EXCEPTION;

CURSOR expired\_cursor IS

SELECT MemberID, ISBN, BookCopyID

FROM Reservation

WHERE Status = 'Ready for Pickup'

AND ReadyForPickupDate IS NOT NULL

AND TRUNC(ReadyForPickupDate + 3) < TRUNC(SYSDATE);

BEGIN

FOR rec IN expired\_cursor LOOP

v\_found\_count := v\_found\_count + 1;

v\_MemberID := rec.MemberID;

v\_ISBN := rec.ISBN;

v\_BookCopyID := rec.BookCopyID;

UPDATE Reservation

SET Status = 'Expired'

WHERE MemberID = v\_MemberID AND ISBN = v\_ISBN;

IF SQL%ROWCOUNT = 0 THEN

RAISE update\_failed;

END IF;

IF v\_BookCopyID IS NOT NULL THEN

UPDATE BookCopy

SET IsAvailable = 'Y'

WHERE BookCopyID = v\_BookCopyID;

END IF;

DBMS\_OUTPUT.PUT\_LINE('Expired reservation for Member ' || v\_MemberID ||

', ISBN ' || v\_ISBN || ', BookCopyID ' || v\_BookCopyID);

END LOOP;

IF v\_found\_count = 0 THEN

RAISE no\_expired\_found;

END IF;

COMMIT;

EXCEPTION

WHEN no\_expired\_found THEN

DBMS\_OUTPUT.PUT\_LINE('No expired reservations found to process.');

WHEN update\_failed THEN

DBMS\_OUTPUT.PUT\_LINE('Reservation update failed.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Unexpected error: ' || SQLERRM);

END;

/

**Sample Output:**

| **Before 3 Days :**      **After 3 Days still not yet collect the book:** |
| --- |

#### 4.1.5 Trigger 1: Banned Member For Uncollect Reservation 3 Times

**Purpose:**

This trigger fires when a reservation changes from 'Ready for Pickup' to 'Expired', and it:

* **Increases the NoShowCount**
* **Bans the member for 7 days if NoShowCount reaches 3**
* **Resets NoShowCount to 0 after banning**

**Trigger Code:**

CREATE OR REPLACE TRIGGER trg\_audit\_no\_show\_ban

AFTER UPDATE ON Reservation

FOR EACH ROW

WHEN (

OLD.Status = 'Ready for Pickup' AND

NEW.Status = 'Expired'

)

DECLARE

v\_NoShowCount NUMBER;

BEGIN

SELECT NoShowCount INTO v\_NoShowCount

FROM Member

WHERE MemberID = :NEW.MemberID;

IF v\_NoShowCount = 2 THEN

UPDATE Member

SET ReservationBanUntil = SYSDATE + 7,

NoShowCount = 0

WHERE MemberID = :NEW.MemberID;

DBMS\_OUTPUT.PUT\_LINE('Member ' || :NEW.MemberID || ' banned for 7 days after 3 no-shows.');

ELSE

UPDATE Member

SET NoShowCount = NoShowCount + 1

WHERE MemberID = :NEW.MemberID;

DBMS\_OUTPUT.PUT\_LINE('No-show count increased to ' || (v\_NoShowCount + 1) || ' for member ' || :NEW.MemberID);

END IF;

END;

/

**Sample Output:**

| **Before:**    **After first time no show:**    **After Second time no show:**    **After Third time no show (Eg: today(18/04/25 Get Banned 7 Days (24/04/25):** |
| --- |

#### 4.1.6 Trigger 2: Create Borrow Book Record on Collect

**Purpose: This trigger will automatically insert a record into the BorrowBook table whenever a reservation’s Status changes to 'Collected'.**

**Trigger Code:**

CREATE OR REPLACE TRIGGER trg\_create\_borrow\_on\_collect

AFTER UPDATE ON Reservation

FOR EACH ROW

WHEN (NEW.Status = 'Collected' AND OLD.Status != 'Collected')

DECLARE

v\_BorrowID VARCHAR2(10);

BEGIN

v\_BorrowID := 'RC' || LPAD(SEQ\_BorrowBookID.NEXTVAL, 5, '0');

INSERT INTO BorrowBook (

BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate

) VALUES (

v\_BorrowID,

:NEW.MemberID,

:NEW.BookCopyID,

SYSDATE,

SYSDATE + 7

);

DBMS\_OUTPUT.PUT\_LINE('BorrowBook created: ' || v\_BorrowID ||

' for Member ' || :NEW.MemberID);

EXCEPTION

WHEN OTHERS THEN

RAISE\_APPLICATION\_ERROR(-20011, 'Trigger failed: ' || SQLERRM);

END;

/

**Sample Output:**

|  |
| --- |

#### 4.1.7 Report 1: Total Number of Reader, Reservation and Borrow Book Summary by Semester for a Year Report

**Purpose:**

**This report is to provide a semester-wise and overall summary of member activity in the library for a specific year. It presents the total number of distinct readers (members who borrowed books), the total number of reservations made, and the total number of books borrowed in each semester.**

**Report Code:**

CREATE OR REPLACE PROCEDURE SemesterSumaryReport(inputyear NUMBER)

IS

v\_reader\_count NUMBER := 0;

v\_reservation\_count NUMBER := 0;

v\_borrow\_count NUMBER := 0;

v\_total\_readers NUMBER := 0;

v\_total\_reservations NUMBER := 0;

v\_total\_borrowed NUMBER := 0;

CURSOR semester\_cursor IS

SELECT 1 AS semester FROM dual

UNION ALL

SELECT 2 FROM dual

UNION ALL

SELECT 3 FROM dual;

CURSOR reader\_cursor(sem NUMBER) IS

SELECT COUNT(DISTINCT BB.MemberID) AS total\_readers

FROM BorrowBook BB

WHERE EXTRACT(YEAR FROM BB.BorrowDate) = inputyear

AND

((sem = 1 AND EXTRACT(MONTH FROM BB.BorrowDate) BETWEEN 1 AND 5)

OR

(sem = 2 AND EXTRACT(MONTH FROM BB.BorrowDate) BETWEEN 6 AND 9)

OR

(sem = 3 AND EXTRACT(MONTH FROM BB.BorrowDate) BETWEEN 10 AND 12));

CURSOR reservation\_cursor(sem NUMBER) IS

SELECT COUNT(\*) AS total\_reservations

FROM Reservation

WHERE EXTRACT(YEAR FROM ReservationDate) = inputyear

AND

((sem = 1 AND EXTRACT(MONTH FROM ReservationDate) BETWEEN 1 AND 5)

OR

(sem = 2 AND EXTRACT(MONTH FROM ReservationDate) BETWEEN 6 AND 9)

OR

(sem = 3 AND EXTRACT(MONTH FROM ReservationDate) BETWEEN 10 AND 12));

CURSOR borrow\_cursor(sem NUMBER) IS

SELECT COUNT(\*) AS total\_borrowed

FROM BorrowBook

WHERE EXTRACT(YEAR FROM BorrowDate) = inputyear

AND

((sem = 1 AND EXTRACT(MONTH FROM BorrowDate) BETWEEN 1 AND 5)

OR

(sem = 2 AND EXTRACT(MONTH FROM BorrowDate) BETWEEN 6 AND 9)

OR

(sem = 3 AND EXTRACT(MONTH FROM BorrowDate) BETWEEN 10 AND 12));

BEGIN

DBMS\_OUTPUT.PUT\_LINE(RPAD('Total Number of Readers, Reservation And Borrows Summary for Year ' || inputyear, 70, ' '));

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 70, '='));

FOR sem IN semester\_cursor LOOP

v\_reader\_count := 0;

v\_reservation\_count := 0;

v\_borrow\_count := 0;

FOR r IN reader\_cursor(sem .semester) LOOP

v\_reader\_count := r.total\_readers;

END LOOP;

FOR rsv IN reservation\_cursor(sem .semester) LOOP

v\_reservation\_count := rsv.total\_reservations;

END LOOP;

FOR bb IN borrow\_cursor(sem .semester) LOOP

v\_borrow\_count := bb.total\_borrowed;

END LOOP;

v\_total\_readers := v\_total\_readers + v\_reader\_count;

v\_total\_reservations := v\_total\_reservations + v\_reservation\_count;

v\_total\_borrowed := v\_total\_borrowed + v\_borrow\_count;

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || 'Semester ' || sem .semester);

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 70, '-'));

DBMS\_OUTPUT.PUT\_LINE('Total Readers : ' || v\_reader\_count);

DBMS\_OUTPUT.PUT\_LINE('Total Reservations : ' || v\_reservation\_count);

DBMS\_OUTPUT.PUT\_LINE('Total Books Borrowed: ' || v\_borrow\_count);

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 70, '='));

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || 'GRAND TOTAL FOR YEAR ' || inputyear);

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 70, '-'));

DBMS\_OUTPUT.PUT\_LINE('Total Readers (All Semesters) : ' || v\_total\_readers);

DBMS\_OUTPUT.PUT\_LINE('Total Reservations (All Semesters) : ' || v\_total\_reservations);

DBMS\_OUTPUT.PUT\_LINE('Total Books Borrowed (All Semesters): ' || v\_total\_borrowed);

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 70, '='));

END;

/

**Sample Output:**

|  |
| --- |

#### 

#### 4.1.8 Report 2: Report of Top Reservation within a specific year

**Purpose:**

**This report allows staff to find out the top number of members who have made the highest number of reservation within a specific year.**

**Report Code:**

CREATE OR REPLACE PROCEDURE Report\_Top\_Reservation\_Member(input\_year NUMBER， top\_n NUMBER)

IS

CURSOR top\_member\_cursor IS

SELECT \*

FROM (

SELECT M.MemberID, M.Name, COUNT(\*) AS TotalReservations

FROM Member M

JOIN Reservation R ON M.MemberID = R.MemberID

WHERE EXTRACT(YEAR FROM R.ReservationDate) = input\_year

GROUP BY M.MemberID, M.Name

ORDER BY TotalReservations DESC

)

WHERE ROWNUM <= top\_n;

CURSOR member\_reservation\_cursor(p\_memberID Member.MemberID%TYPE) IS

SELECT R.ISBN, B.Title, R.ReservationDate, R.Status

FROM Reservation R

JOIN Book B ON R.ISBN = B.ISBN

WHERE R.MemberID = p\_memberID

AND EXTRACT(YEAR FROM R.ReservationDate) = input\_year

ORDER BY R.ReservationDate;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Top ' || top\_n ||' Members by Reservations for Year ' || input\_year);

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 85, '='));

FOR mem\_rec IN top\_member\_cursor LOOP

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || 'Member: ' || mem\_rec.MemberID || ' - ' || mem\_rec.Name);

DBMS\_OUTPUT.PUT\_LINE('Total Reservations: ' || mem\_rec.TotalReservations);

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 85, '-'));

DBMS\_OUTPUT.PUT\_LINE(RPAD('Book Title', 45) || ' | Date | Status');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 85, '-'));

FOR rsv\_rec IN member\_reservation\_cursor(mem\_rec.MemberID) LOOP

DBMS\_OUTPUT.PUT\_LINE(

RPAD(rsv\_rec.Title, 45) || ' | ' ||

TO\_CHAR(rsv\_rec.ReservationDate, 'DD-MM-YYYY') || ' | ' ||

RPAD(rsv\_rec.Status, 10)

);

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 85, '='));

END LOOP;

END;

/

**Sample Output:**

|  |
| --- |

### 4.2 LOO JIE YANG

#### 4.2.1 Query 1: Predict overdue risk(due in next 3 days)

**Purpose :**

To let librarians check which members borrowed book(s) and may close to the due date, so they can try to contact them for a reminder.

**Query Code :**

COLUMN Name HEADING 'Member Name' FORMAT A12

COLUMN BookCopyID HEADING 'Book Copy ID' FORMAT A15

COLUMN BookTitles HEADING 'Book Titles' FORMAT A40

CREATE OR REPLACE VIEW UpcomingDueBooks AS

SELECT

m.Name,

bb.BookCopyID,

b.Title AS BookTitle

FROM

BorrowBook bb

JOIN Member m ON bb.MemberID = m.MemberID

JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID

JOIN Book b ON bc.ISBN = b.ISBN

LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID

WHERE

bb.DueDate = TRUNC(SYSDATE) + 3

AND rb.BorrowBookID IS NULL

ORDER BY

bb.DueDate ASC;

**Sample Output :**

|  |
| --- |

#### 4.2.2 Query 2: List out all overdue fines that are unpaid yet

**Purpose :**

Let librarians check the amount of fine while the members try to return the book is overdue.

**Query Code :**

COLUMN Name HEADING 'Member Name' FORMAT A12

COLUMN TotalOverdueBooks HEADING 'Total Overdue Books' FORMAT 9999

COLUMN BookTitles HEADING 'Book Titles' FORMAT A40

COLUMN TotalFineAmount HEADING 'Total Fine Amount' FORMAT 9999

CREATE OR REPLACE VIEW LateReturnSummary AS

SELECT

m.Name,

LISTAGG(b.Title, CHR(10)) WITHIN GROUP (ORDER BY b.Title) AS BookTitles,

COUNT(bb.BorrowBookID) AS TotalOverdueBooks,

SUM(

CASE

WHEN (TRUNC(SYSDATE) - bb.DueDate) <= 7 THEN 5

ELSE 5 + ((TRUNC(SYSDATE) - bb.DueDate) - 7)

END

) AS TotalFineAmount

FROM

Fine f

JOIN BorrowBook bb ON f.BorrowBookID = bb.BorrowBookID

JOIN Member m ON bb.MemberID = m.MemberID

JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID

JOIN Book b ON bc.ISBN = b.ISBN

LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID

WHERE

bb.DueDate < TRUNC(SYSDATE)

AND rb.BorrowBookID IS NULL

AND f.FineStatus = 'Unpaid'

GROUP BY

m.Name

ORDER BY

MIN(f.FineID);

**Sample Output :**

|  |
| --- |

#### 4.2.3 Procedure 1: Return a book

**Purpose :**

The purpose of this procedure is to let librarians insert the return book easily from members.

**Procedure Code :**

CREATE OR REPLACE PROCEDURE ReturnBookProcess (

p\_BorrowBookID IN VARCHAR2,

p\_ReturnStatus IN VARCHAR2,

p\_Condition IN VARCHAR2

)

IS

v\_DueDate DATE;

v\_BookCopyID VARCHAR2(10);

v\_Amount NUMBER(8,2) := 0;

v\_ISBN VARCHAR2(15);

v\_Price NUMBER(8,2);

v\_LateFine NUMBER(8,2) := 0;

BEGIN

-- Validate book condition

IF p\_Condition NOT IN ('New', 'Good', 'Damaged') THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Invalid book condition. Must be New, Good, or Damaged.');

END IF;

-- Get DueDate and BookCopyID

SELECT DueDate, BookCopyID

INTO v\_DueDate, v\_BookCopyID

FROM BorrowBook

WHERE BorrowBookID = p\_BorrowBookID;

-- Get ISBN and Price

SELECT b.ISBN, bk.Price INTO v\_ISBN, v\_Price

FROM BookCopy b

JOIN Book bk ON b.ISBN = bk.ISBN

WHERE b.BookCopyID = v\_BookCopyID;

-- Insert return record

INSERT INTO ReturnBook (ReturnBookID, BorrowBookID, ReturnStatus, ReturnDate)

VALUES (

'RB' || LPAD(TO\_CHAR(ReturnBook\_seq.NEXTVAL), 5, '0'),

p\_BorrowBookID,

p\_ReturnStatus,

SYSDATE

);

-- Update BookCopy condition

UPDATE BookCopy

SET Condition = p\_Condition

WHERE BookCopyID = v\_BookCopyID;

-- Update availability if not Lost and not Damaged (handled by trigger)

IF p\_ReturnStatus != 'Lost' AND p\_Condition != 'Damaged' THEN

UPDATE BookCopy

SET IsAvailable = 'Y'

WHERE BookCopyID = v\_BookCopyID;

END IF;

-- Fine calculation logic

IF p\_ReturnStatus = 'Late' THEN

-- Calculate late fine

IF SYSDATE <= v\_DueDate + 7 THEN

v\_LateFine := 5;

ELSE

v\_LateFine := 5 + (SYSDATE - (v\_DueDate + 7));

END IF;

-- If Damaged, add book price

IF p\_Condition = 'Damaged' THEN

v\_Amount := v\_LateFine + v\_Price;

ELSE

v\_Amount := v\_LateFine;

END IF;

ELSIF p\_ReturnStatus = 'On Time' THEN

IF p\_Condition = 'Damaged' THEN

v\_Amount := v\_Price;

END IF;

ELSIF p\_ReturnStatus = 'Lost' THEN

v\_Amount := v\_Price;

END IF;

-- Only update fine if there's an amount to charge

IF v\_Amount > 0 THEN

UPDATE Fine

SET Amount = v\_Amount,

PaymentDate = SYSDATE,

FineStatus = 'Paid'

WHERE BorrowBookID = p\_BorrowBookID;

END IF;

COMMIT;

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('BorrowBookID not found.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

ROLLBACK;

END;

/

**Sample Output:**

|  |
| --- |

#### 4.2.4 Procedure 2: Borrow a Book

**Purpose :**

The purpose of this procedure is to let librarians insert the return book easily from members.

**Procedure Code :**

CREATE OR REPLACE PROCEDURE BorrowBookProcedure (

p\_MemberID IN VARCHAR2,

p\_BookCopyID IN VARCHAR2

)

IS

v\_Status VARCHAR2(15);

v\_IsAvailable VARCHAR2(1);

v\_AlreadyBorrowed EXCEPTION;

v\_BorrowID VARCHAR2(10);

BEGIN

-- Check if member is active

SELECT Status INTO v\_Status

FROM Member

WHERE MemberID = p\_MemberID;

IF v\_Status != 'Active' THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Member is not eligible to borrow (suspended or inactive).');

END IF;

-- Check if book copy is available

SELECT IsAvailable INTO v\_IsAvailable

FROM BookCopy

WHERE BookCopyID = p\_BookCopyID;

IF v\_IsAvailable != 'Y' THEN

RAISE\_APPLICATION\_ERROR(-20002, 'Book copy is not available.');

END IF;

-- Prevent duplicate borrow of same copy without return

FOR rec IN (

SELECT \* FROM BorrowBook bb

LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID

WHERE bb.MemberID = p\_MemberID

AND bb.BookCopyID = p\_BookCopyID

AND rb.BorrowBookID IS NULL

)

LOOP

RAISE v\_AlreadyBorrowed;

END LOOP;

-- Generate BorrowBookID (e.g., BB0010)

SELECT 'BB' || LPAD(TO\_CHAR(NVL(MAX(TO\_NUMBER(SUBSTR(BorrowBookID, 3))), 0) + 1), 5, '0')

INTO v\_BorrowID

FROM BorrowBook;

-- Insert new borrow record

INSERT INTO BorrowBook (

BorrowBookID, MemberID, BookCopyID, BorrowDate, DueDate

) VALUES (

v\_BorrowID, p\_MemberID, p\_BookCopyID, SYSDATE, SYSDATE + 7

);

-- Mark book as unavailable

UPDATE BookCopy

SET IsAvailable = 'N'

WHERE BookCopyID = p\_BookCopyID;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Book borrowed successfully. Borrow ID: ' || v\_BorrowID);

EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RAISE\_APPLICATION\_ERROR(-20003, 'Invalid Member ID or Book Copy ID.');

WHEN v\_AlreadyBorrowed THEN

RAISE\_APPLICATION\_ERROR(-20004, 'This member has already borrowed this book and not returned it.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

ROLLBACK;

END;

/

**Sample Output :**

| **Before:**    **After:** |
| --- |

#### 4.2.5 Trigger 1: Update BookCopy isAvailable to ‘N’ if the Condition edited to ‘Damaged’.

**Purpose :**

To update the book’s availability automatically in order to prevent it from being borrowed by someone after returning.

**Trigger Code :**

CREATE OR REPLACE TRIGGER trg\_UpdateAvailabilityOnDamage

BEFORE UPDATE OF Condition ON BookCopy

FOR EACH ROW

BEGIN

IF :NEW.Condition = 'Damaged' THEN

:NEW.IsAvailable := 'N';

END IF;

END;

/

**Sample Output :**

| **Before :**    **After :** |
| --- |

#### 4.2.6 Trigger 2: Unblock member if fine paid.

**Purpose :**

To unblock members after doing the fine payment from ‘Suspended’ to ‘Active’.

**Trigger Code :**

CREATE OR REPLACE TRIGGER trg\_UnblockMemberOnFinePaid

AFTER UPDATE OF FineStatus ON Fine

DECLARE

BEGIN

-- Update members with all fines paid (and who are still suspended)

UPDATE Member m

SET m.Status = 'Active'

WHERE m.Status = 'Suspended'

AND EXISTS (

SELECT \*

FROM Fine f

JOIN BorrowBook bb ON f.BorrowBookID = bb.BorrowBookID

WHERE bb.MemberID = m.MemberID

AND f.FineStatus = 'Unpaid'

);

END;

/

**Sample Output :**

| **Before :**    **After :** |
| --- |

#### 4.2.7 Report 1: Library Daily Summary Report (total borrows, returns, fines)

**Purpose :**

To let librarians check how many borrowed books and returned books in order to do analysis.

**Report Code :**

CREATE OR REPLACE PROCEDURE GenerateDailyLibrarySummary (

p\_ReportDate IN DATE DEFAULT NULL

)

IS

v\_ReportDate DATE := NVL(p\_ReportDate, TRUNC(SYSDATE));

v\_total\_borrowed INTEGER := 0;

v\_total\_returned INTEGER := 0;

v\_total\_fines\_paid NUMBER(10,2) := 0;

-- Flags to check if rows were fetched

v\_has\_borrows BOOLEAN := FALSE;

v\_has\_returns BOOLEAN := FALSE;

-- Cursor for borrowed books

CURSOR cur\_borrows IS

SELECT m.MemberID,

m.Name AS MemberName,

bc.BookCopyID,

b.Title,

bb.BorrowDate

FROM BorrowBook bb

JOIN Member m ON bb.MemberID = m.MemberID

JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID

JOIN Book b ON bc.ISBN = b.ISBN

WHERE TRUNC(bb.BorrowDate) = v\_ReportDate

ORDER BY bb.BorrowDate;

-- Cursor for returned books

CURSOR cur\_returns IS

SELECT m.MemberID,

m.Name AS MemberName,

bc.BookCopyID,

b.Title,

rb.ReturnStatus,

rb.ReturnDate

FROM ReturnBook rb

JOIN BorrowBook bb ON rb.BorrowBookID = bb.BorrowBookID

JOIN Member m ON bb.MemberID = m.MemberID

JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID

JOIN Book b ON bc.ISBN = b.ISBN

WHERE TRUNC(rb.ReturnDate) = v\_ReportDate

ORDER BY rb.ReturnDate;

BEGIN

-- Total borrows

SELECT COUNT(\*)

INTO v\_total\_borrowed

FROM BorrowBook

WHERE TRUNC(BorrowDate) = v\_ReportDate;

-- Total returns

SELECT COUNT(\*)

INTO v\_total\_returned

FROM ReturnBook

WHERE TRUNC(ReturnDate) = v\_ReportDate;

-- Total fines paid

SELECT NVL(SUM(Amount), 0)

INTO v\_total\_fines\_paid

FROM Fine

WHERE TRUNC(PaymentDate) = v\_ReportDate

AND FineStatus = 'Paid';

-- Report header

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

DBMS\_OUTPUT.PUT\_LINE('============================================= Library Daily Summary Report =============================================');

DBMS\_OUTPUT.PUT\_LINE('Date: ' || TO\_CHAR(v\_ReportDate, 'YYYY-MM-DD'));

-- Borrowed book details

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 120, '='));

DBMS\_OUTPUT.PUT\_LINE('Books Borrowed');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 120, '-'));

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD('Member ID', 25) || '| ' || RPAD('Member Name', 25) || '| ' || RPAD('Book Title', 35) || '| ' || RPAD('Book Copy', 25) || ' |');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 120, '-'));

FOR b IN cur\_borrows LOOP

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD(b.MemberID, 25) || '| ' || RPAD(b.MemberName, 25) || '| ' || RPAD(b.Title, 35) || '| ' || RPAD(b.BookCopyID, 25) || ' |');

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 120, '='));

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

-- Returned book details

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 120, '='));

DBMS\_OUTPUT.PUT\_LINE('Books Returned');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 120, '-'));

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD('Member ID', 19) || '| ' || RPAD('Member Name', 19) || '| ' || RPAD('Book Title', 35) || '| ' || RPAD('Book Copy', 19) || '| ' || RPAD('Return Status', 17) || '|');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 120, '-'));

FOR r IN cur\_returns LOOP

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD(r.MemberID, 19) || '| ' || RPAD(r.MemberName, 19) || '| ' || RPAD(r.Title, 35) || '| ' || RPAD(r.BookCopyID, 19) || '| ' || RPAD(r.ReturnStatus, 17) || '|');

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 120, '='));

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

-- Report summary

DBMS\_OUTPUT.PUT\_LINE('Total Books Borrowed: ' || v\_total\_borrowed);

DBMS\_OUTPUT.PUT\_LINE('Total Books Returned: ' || v\_total\_returned);

DBMS\_OUTPUT.PUT\_LINE('Total Fines Paid (RM): ' || TO\_CHAR(v\_total\_fines\_paid, '9990.00'));

DBMS\_OUTPUT.PUT\_LINE('------------------------------------------------------------------------------------------------------------------------');

END;

/

**Sample Output :**

|  |
| --- |

#### 4.2.8 Report 2: Fine Collection Report

**Purpose :**

To let librarians calculate and analyze how much fine collected within a specific period.

**Report Code :**

CREATE OR REPLACE PROCEDURE GenerateFineCollectionReport (

p\_start\_date IN DATE,

p\_end\_date IN DATE

)

IS

-- Outer cursor: Members who have paid fines in the period

CURSOR cur\_members IS

SELECT DISTINCT m.MemberID, m.Name

FROM Member m

JOIN BorrowBook bb ON m.MemberID = bb.MemberID

JOIN Fine f ON bb.BorrowBookID = f.BorrowBookID

WHERE f.FineStatus = 'Paid'

AND TRUNC(f.PaymentDate) BETWEEN TRUNC(p\_start\_date) AND TRUNC(p\_end\_date)

ORDER BY m.Name;

-- Nested cursor: Fine details per member

CURSOR cur\_fines(p\_member\_id Member.MemberID%TYPE) IS

SELECT f.FineID, f.BorrowBookID, f.Amount, f.PaymentDate, f.FineStatus

FROM Fine f

JOIN BorrowBook bb ON f.BorrowBookID = bb.BorrowBookID

WHERE bb.MemberID = p\_member\_id

AND f.FineStatus = 'Paid'

AND TRUNC(f.PaymentDate) BETWEEN TRUNC(p\_start\_date) AND TRUNC(p\_end\_date)

ORDER BY f.PaymentDate;

v\_total\_per\_member NUMBER(10,2);

v\_grand\_total NUMBER(10,2) := 0;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

DBMS\_OUTPUT.PUT\_LINE('=============================== Fine Collection Report ===============================');

DBMS\_OUTPUT.PUT\_LINE('Period: ' || TO\_CHAR(p\_start\_date, 'YYYY-MM-DD') || ' to ' || TO\_CHAR(p\_end\_date, 'YYYY-MM-DD'));

DBMS\_OUTPUT.PUT\_LINE('--------------------------------------------------------------------------------------');

FOR m IN cur\_members LOOP

v\_total\_per\_member := 0;

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 86, '-'));

DBMS\_OUTPUT.PUT\_LINE('Member: ' || m.Name || ' (' || m.MemberID || ')');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 86, '-'));

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD('FineID', 15) || '| ' || RPAD('BorrowBookID', 15) || '| ' || RPAD('Amount', 15) || '| ' || RPAD('Paid Date', 15) || '| ' || RPAD('Status', 15) || '|');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 86, '-'));

FOR f IN cur\_fines(m.MemberID) LOOP

DBMS\_OUTPUT.PUT\_LINE('| ' || RPAD(f.FineID, 15) || '| ' || RPAD(f.BorrowBookID, 15) || '| ' || RPAD(TO\_CHAR(f.Amount, '9990.00'), 15) || '| ' || RPAD(TO\_CHAR(f.PaymentDate, 'YYYY-MM-DD'), 15) || '| ' || RPAD(f.FineStatus, 15) || '|');

v\_total\_per\_member := v\_total\_per\_member + f.Amount;

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 86, '-'));

DBMS\_OUTPUT.PUT\_LINE(' >> Total Fine Collected from ' || m.Name || ': RM' || TO\_CHAR(v\_total\_per\_member, '9990.00'));

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 86, '-'));

v\_grand\_total := v\_grand\_total + v\_total\_per\_member;

END LOOP;

DBMS\_OUTPUT.PUT\_LINE(CHR(5));

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 86, '='));

DBMS\_OUTPUT.PUT\_LINE('GRAND TOTAL COLLECTED: RM' || TO\_CHAR(v\_grand\_total, '9990.00'));

DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 86, '='));

END;

/

**Sample Output :**

|  |
| --- |

### 

### 4.3 LEE CHUN YIN

#### 4.2.1 Query 1: Top 10 members pay the most fines.

**Purpose :**

**To identify the top 10 members who have paid the highest total fines, helping the library assess frequent fine payers and possibly recognize patterns in overdue behavior.**

Query Code :

SET PAGESIZE 100

SET LINESIZE 74

COLUMN memberId FORMAT A8

COLUMN email FORMAT A23

COLUMN phoneNumber FORMAT A13

COLUMN status FORMAT A10

COLUMN totalFineAmount FORMAT 9,999.99

TTITLE CENTER 'TOP 10 MEMBERS WITH THE HIGHEST FINES PAID' SKIP 2

BREAK ON REPORT

COMPUTE SUM LABEL 'TOTAL' OF totalFineAmount ON REPORT

SELECT \*

FROM (

SELECT

m.memberId,

m.email,

m.phoneNumber,

m.status,

SUM(f.amount) AS totalFineAmount

FROM

member m

JOIN

borrowbook bb ON m.memberId = bb.memberId

JOIN

fine f ON bb.borrowBookId = f.borrowBookId

GROUP BY

m.memberId, m.email, m.phoneNumber, m.status

HAVING

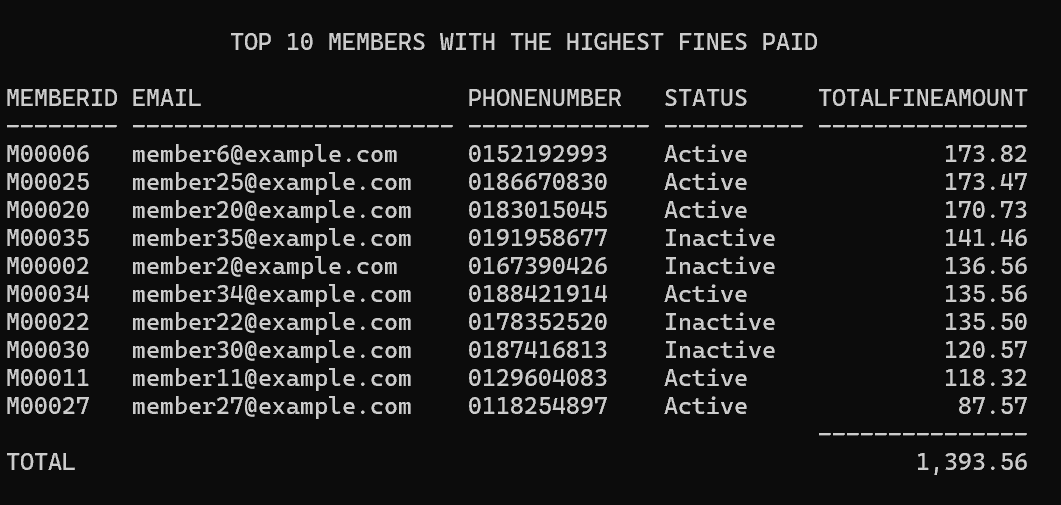
SUM(NVL(f.amount, 0)) > 0

ORDER BY

totalFineAmount DESC

)

WHERE ROWNUM <= 10;



#### 

#### 4.2.2 Query 2: List all the book copy count by each book each genre

**Purpose :**

**To provide an overview of how many copies exist for each book, categorized by genre, allowing efficient stock monitoring and genre-based inventory analysis.**

Query Code :

SET PAGESIZE 200

SET LINESIZE 400

SET NEWPAGE 2

TTITLE OFF

CLEAR BREAKS

CLEAR COMPUTES

COLUMN GenreName FORMAT A20

COLUMN BOOKTITLE FORMAT A35

COLUMN BookCopyCount FORMAT 999

BREAK ON GenreName PAGE ON REPORT

COMPUTE SUM LABEL 'Total' OF BookCopyCount ON GenreName

SELECT

g.GenreName,

b.Title AS BOOKTITLE,

COUNT(bc.BookCopyID) AS BookCopyCount

FROM

Genre g

JOIN BookGenre bg ON g.GenreID = bg.GenreID

JOIN Book b ON bg.ISBN = b.ISBN

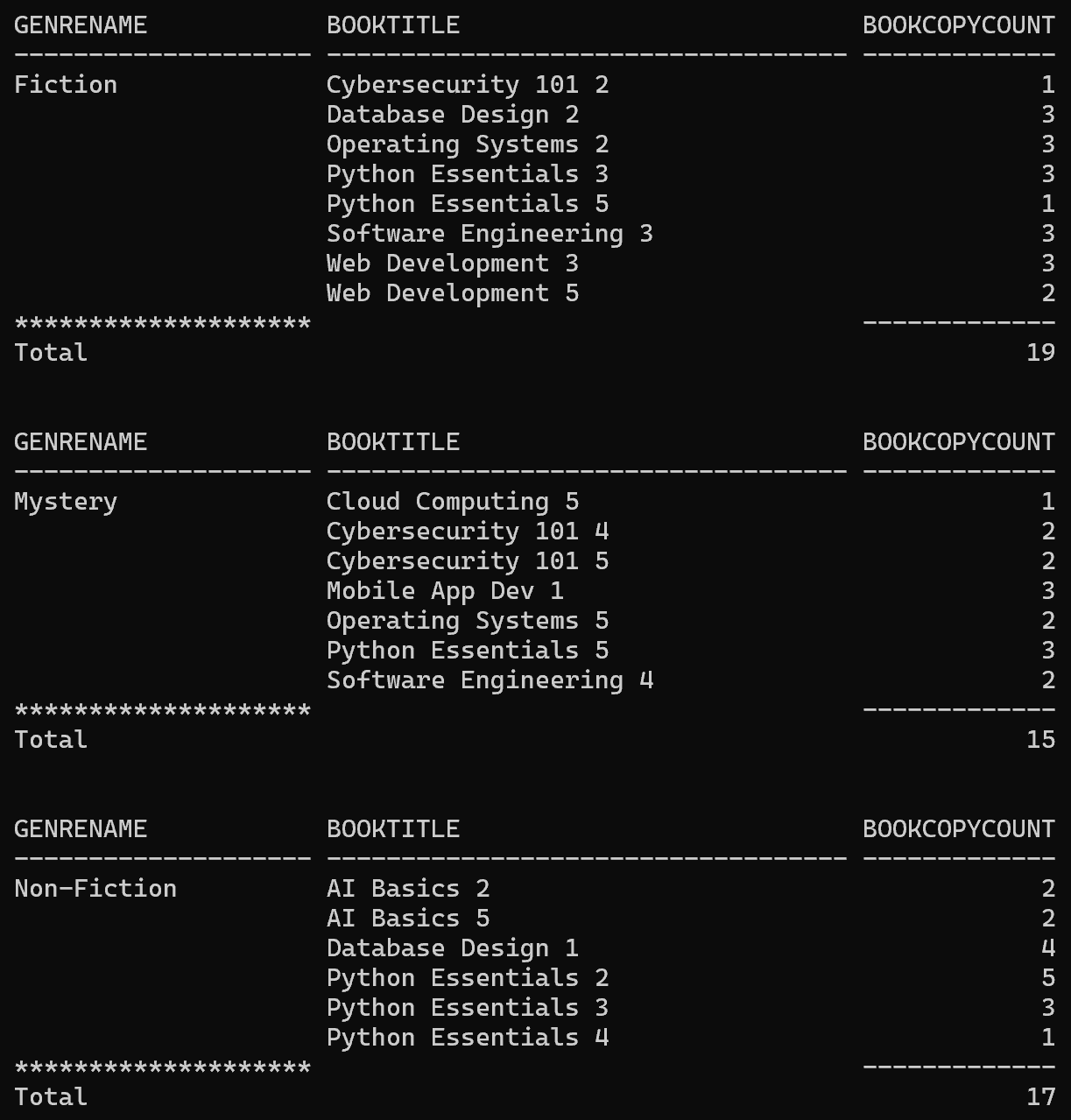
JOIN BookCopy bc ON b.ISBN = bc.ISBN

GROUP BY

g.GenreName, b.Title

ORDER BY

g.GenreName, b.Title;



#### 

#### 

#### 4.2.3 Procedure 1: List the past, current and upcoming campaign.

**Purpose :**

**To automatically classify and display campaigns into past, current, or upcoming categories based on their start and end dates, supporting clear tracking of promotional timelines.**

**Procedure Code :**

CREATE OR REPLACE PROCEDURE ListFilteredCampaigns(

p\_CampaignType IN VARCHAR2 DEFAULT 'All',

p\_CampaignStatus IN VARCHAR2 DEFAULT 'All',

p\_CampaignApprovalStatus IN VARCHAR2 DEFAULT 'All'

) AS

CURSOR campaign\_cursor IS

SELECT CampaignName, CampaignType, StartDate, EndDate, ApprovalStatus

FROM Campaign

WHERE

(p\_CampaignType = 'All' OR CampaignType = p\_CampaignType)

AND (

p\_CampaignStatus = 'All'

OR (p\_CampaignStatus = 'Past' AND EndDate < SYSDATE)

OR (p\_CampaignStatus = 'Current' AND StartDate <= SYSDATE AND EndDate >= SYSDATE)

OR (p\_CampaignStatus = 'Upcoming' AND StartDate > SYSDATE)

)

AND (p\_CampaignApprovalStatus = 'All' OR ApprovalStatus = p\_CampaignApprovalStatus)

ORDER BY StartDate;

-- Constants for column widths (adjusted for perfect alignment)

c\_name\_width CONSTANT NUMBER := 26; -- "Children's Book Month" is longest at 21 chars

c\_type\_width CONSTANT NUMBER := 12; -- "Achievement" is longest at 11 chars

c\_date\_width CONSTANT NUMBER := 12; -- "DD-MON-YYYY" format

c\_status\_width CONSTANT NUMBER := 9; -- "Upcoming" is longest at 8 chars

c\_approval\_width CONSTANT NUMBER := 10; -- "Approved" is longest at 8 chars

-- Variables for table formatting

v\_header VARCHAR2(200);

v\_row VARCHAR2(200);

v\_line VARCHAR2(200) := '+'||LPAD('-', c\_name\_width+2, '-')||'+'||

LPAD('-', c\_type\_width+2, '-')||'+'||

LPAD('-', c\_date\_width+2, '-')||'+'||

LPAD('-', c\_date\_width+2, '-')||'+'||

LPAD('-', c\_status\_width+2, '-')||'+'||

LPAD('-', c\_approval\_width+2, '-')||'+';

v\_count NUMBER := 0;

v\_status VARCHAR2(10);

v\_total\_line VARCHAR2(200);

e\_NoCampaigns EXCEPTION;

BEGIN

DBMS\_OUTPUT.ENABLE(1000000);

-- Print table header

v\_header := '| '||RPAD('Campaign Name', c\_name\_width)||' | '||

RPAD('Type', c\_type\_width)||' | '||

RPAD('Start Date', c\_date\_width)||' | '||

RPAD('End Date', c\_date\_width)||' | '||

RPAD('Status', c\_status\_width)||' | '||

RPAD('Approval', c\_approval\_width)||' |';

DBMS\_OUTPUT.PUT\_LINE(v\_line);

DBMS\_OUTPUT.PUT\_LINE(v\_header);

DBMS\_OUTPUT.PUT\_LINE(v\_line);

-- Process each campaign

FOR campaign\_rec IN campaign\_cursor LOOP

v\_count := v\_count + 1;

-- Determine campaign status

IF campaign\_rec.EndDate < SYSDATE THEN

v\_status := 'Past';

ELSIF campaign\_rec.StartDate > SYSDATE THEN

v\_status := 'Upcoming';

ELSE

v\_status := 'Current';

END IF;

-- Format table row with proper padding

v\_row := '| '||RPAD(campaign\_rec.CampaignName, c\_name\_width)||' | '||

RPAD(campaign\_rec.CampaignType, c\_type\_width)||' | '||

RPAD(TO\_CHAR(campaign\_rec.StartDate, 'DD-MON-YYYY'), c\_date\_width)||' | '||

RPAD(TO\_CHAR(campaign\_rec.EndDate, 'DD-MON-YYYY'), c\_date\_width)||' | '||

RPAD(v\_status, c\_status\_width)||' | '||

RPAD(campaign\_rec.ApprovalStatus, c\_approval\_width)||' |';

DBMS\_OUTPUT.PUT\_LINE(v\_row);

END LOOP;

-- Print footer

IF v\_count = 0 THEN

RAISE e\_NoCampaigns;

ELSE

DBMS\_OUTPUT.PUT\_LINE(v\_line);

-- Calculate total line length (sum of all columns + separators)

v\_total\_line := '| '||RPAD('Total campaigns found: '||v\_count,

c\_name\_width + c\_type\_width + (c\_date\_width\*2) +

c\_status\_width + c\_approval\_width + 15)||' |';

DBMS\_OUTPUT.PUT\_LINE(v\_total\_line);

DBMS\_OUTPUT.PUT\_LINE(v\_line);

END IF;

EXCEPTION

WHEN e\_NoCampaigns THEN

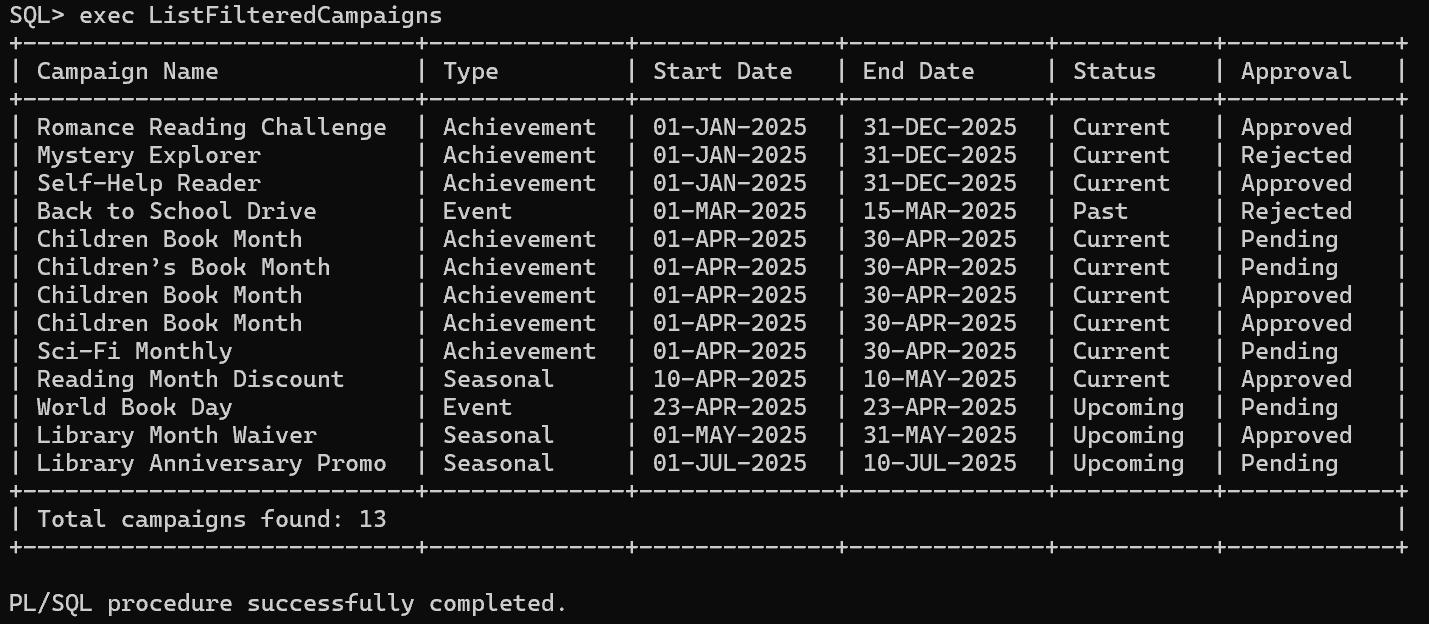
DBMS\_OUTPUT.PUT\_LINE('No campaigns found matching the criteria.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: '||SQLERRM);

END ListFilteredCampaigns;

/





#### 

#### 4.2.4 Procedure 2: Assign voucher to member according to campaign condition.

**Purpose : To automate the assignment of vouchers to eligible members based on predefined campaign types and conditions, ensuring accurate and timely voucher distribution.**

Procedure Code :

CREATE OR REPLACE PROCEDURE AssignVoucherDaily AS

CURSOR campaign\_cursor IS

SELECT CampaignID, CampaignName, CampaignType, StartDate, EndDate, ApprovalStatus, Conditions

FROM Campaign

WHERE ApprovalStatus = 'Approved'

AND (StartDate <= SYSDATE AND EndDate >= SYSDATE)

ORDER BY StartDate;

CURSOR member\_cursor IS

SELECT MemberID

FROM Member

WHERE Status = 'Active';

v\_CampaignID Campaign.CampaignID%TYPE;

v\_CampaignName Campaign.CampaignName%TYPE;

v\_CampaignType Campaign.CampaignType%TYPE;

v\_StartDate Campaign.StartDate%TYPE;

v\_EndDate Campaign.EndDate%TYPE;

v\_CampaignApprovalStatus Campaign.ApprovalStatus%TYPE;

v\_Conditions Campaign.Conditions%TYPE;

v\_CurrentDate DATE := SYSDATE;

v\_MemberID Member.MemberID%TYPE;

v\_exists NUMBER;

v\_BorrowedCount NUMBER;

v\_RequiredCount NUMBER;

v\_RequiredGenre VARCHAR2(100);

e\_NoCampaigns EXCEPTION;

BEGIN

OPEN campaign\_cursor;

FETCH campaign\_cursor INTO v\_CampaignID, v\_CampaignName, v\_CampaignType, v\_StartDate, v\_EndDate, v\_CampaignApprovalStatus, v\_Conditions;

IF campaign\_cursor%NOTFOUND THEN

RAISE e\_NoCampaigns;

END IF;

LOOP

OPEN member\_cursor;

LOOP

FETCH member\_cursor INTO v\_MemberID;

EXIT WHEN member\_cursor%NOTFOUND;

SELECT COUNT(\*) INTO v\_exists

FROM MemberCampaign

WHERE MemberID = v\_MemberID AND CampaignID = v\_CampaignID;

IF v\_exists = 0 THEN

IF v\_CampaignType = 'Seasonal' THEN

INSERT INTO MemberCampaign (MemberCampaignID, MemberID, CampaignID, AssignedDate)

VALUES (

'MC' || LPAD(member\_campaign\_seq.NEXTVAL, 5, '0'),

v\_MemberID, v\_CampaignID, SYSDATE

);

ELSIF v\_CampaignType = 'Achievement' THEN

SELECT TO\_NUMBER(REGEXP\_SUBSTR(v\_Conditions, '[0-9]+')) INTO v\_RequiredCount FROM dual;

SELECT REGEXP\_SUBSTR(v\_Conditions, '[0-9]+ ([A-Za-z -]+) books', 1, 1, NULL, 1) INTO v\_RequiredGenre FROM dual;

SELECT COUNT(\*)

INTO v\_BorrowedCount

FROM BorrowBook bb

JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID

JOIN Book b ON bc.ISBN = b.ISBN

JOIN BookGenre bg ON b.ISBN = bg.ISBN

JOIN Genre g ON bg.GenreID = g.GenreID

WHERE g.GenreName = v\_RequiredGenre

AND bb.MemberID = v\_MemberID;

IF v\_BorrowedCount >= v\_RequiredCount THEN

INSERT INTO MemberCampaign (MemberCampaignID, MemberID, CampaignID, AssignedDate)

VALUES (

'MC' || LPAD(member\_campaign\_seq.NEXTVAL, 5, '0'),

v\_MemberID, v\_CampaignID, SYSDATE

);

END IF;

END IF;

END IF;

END LOOP;

CLOSE member\_cursor;

FETCH campaign\_cursor INTO v\_CampaignID, v\_CampaignName, v\_CampaignType, v\_StartDate, v\_EndDate, v\_CampaignApprovalStatus, v\_Conditions;

EXIT WHEN campaign\_cursor%NOTFOUND;

END LOOP;

CLOSE campaign\_cursor;

EXCEPTION

WHEN e\_NoCampaigns THEN

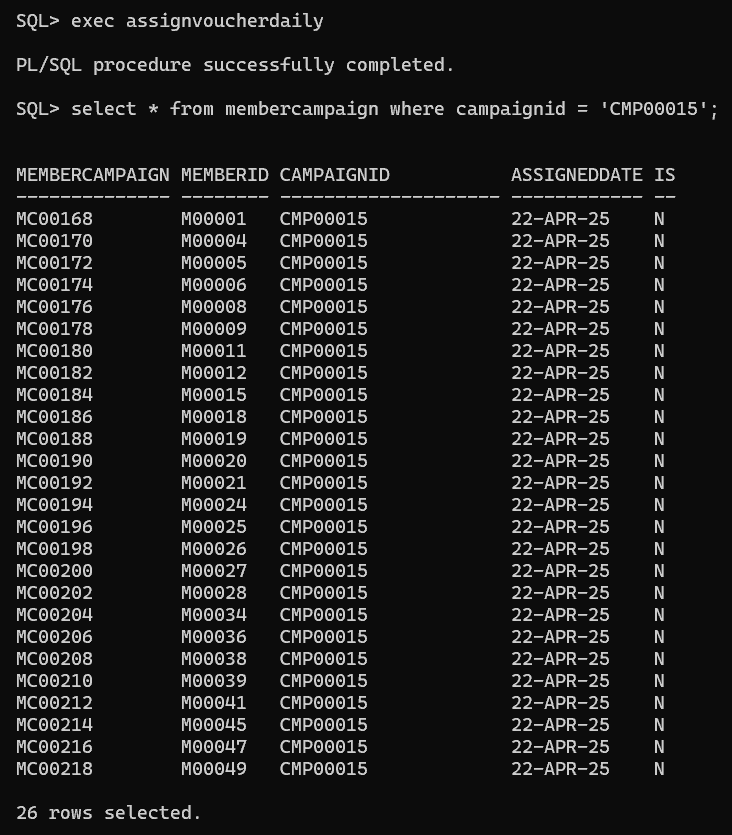
NULL; -- Silent handling when no campaigns found

WHEN OTHERS THEN

NULL; -- Silent handling for other errors

END AssignVoucherDaily;

/



#### 

#### 

#### 

#### 4.2.5 Trigger 1: After member used voucher update the voucher isUsed to ‘Y’

**Purpose : To maintain data consistency by automatically marking a voucher as used (isUsed = 'Y') after a member applies it, preventing re-use or fraud.**

**Trigger Code :**

CREATE OR REPLACE TRIGGER trg\_MarkVoucherAsUsed

AFTER UPDATE OF FineStatus ON Fine

FOR EACH ROW

WHEN (NEW.FineStatus = 'Paid' AND OLD.FineStatus <> 'Paid')

DECLARE

v\_MemberID Member.MemberID%TYPE;

v\_CampaignID MemberCampaign.CampaignID%TYPE;

BEGIN

SELECT MemberID INTO v\_MemberID

FROM BorrowBook

WHERE BorrowBookID = :NEW.BorrowBookID;

SELECT CampaignID INTO v\_CampaignID

FROM MemberCampaign

WHERE MemberID = v\_MemberID

AND isUsed = 'N'

AND ROWNUM = 1;

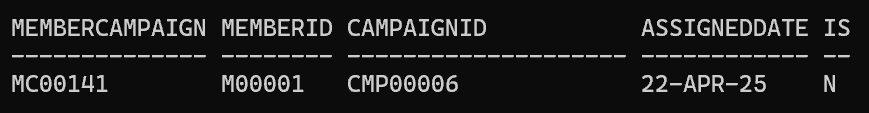
UPDATE MemberCampaign

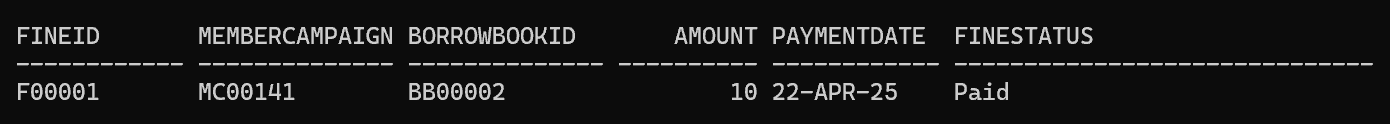
SET isUsed = 'Y'

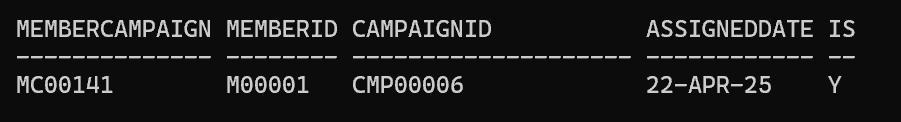
WHERE CampaignID = v\_CampaignID AND MemberID = v\_MemberID;

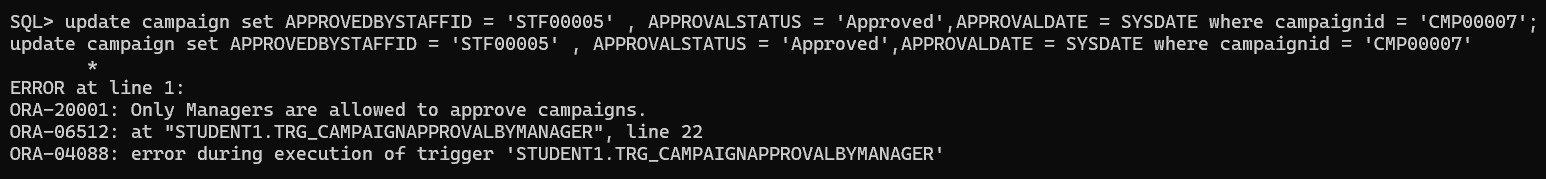
END;

/









#### 

#### 4.2.6 Trigger 2: Enforce Manager-Only Approval for Campaigns and Auto-Approve Manager-Initiated Campaigns

**Purpose : To implement access control on campaign approval: only managers can approve campaigns, and campaigns created by managers are auto-approved to streamline workflow.**

**Trigger Code :**

CREATE OR REPLACE TRIGGER trg\_CampaignApprovalByManager

BEFORE INSERT OR UPDATE ON Campaign

FOR EACH ROW

DECLARE

v\_CreatorRole Staff.Role%TYPE;

v\_ApproverRole Staff.Role%TYPE;

BEGIN

SELECT Role INTO v\_CreatorRole

FROM Staff

WHERE StaffID = :NEW.StaffID;

IF INSERTING AND v\_CreatorRole = 'Manager' THEN

:NEW.ApprovalStatus := 'Approved';

:NEW.ApprovedByStaffID := :NEW.StaffID;

:NEW.ApprovalDate := SYSDATE;

END IF;

IF UPDATING AND :NEW.ApprovalStatus = 'Approved' THEN

SELECT Role INTO v\_ApproverRole

FROM Staff

WHERE StaffID = :NEW.ApprovedByStaffID;

IF v\_ApproverRole != 'Manager' THEN

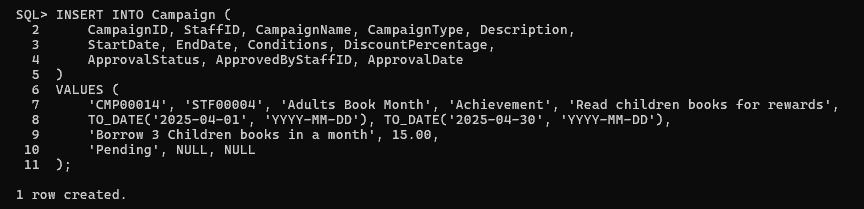
RAISE\_APPLICATION\_ERROR(-20001, 'Only Managers are allowed to approve campaigns.');

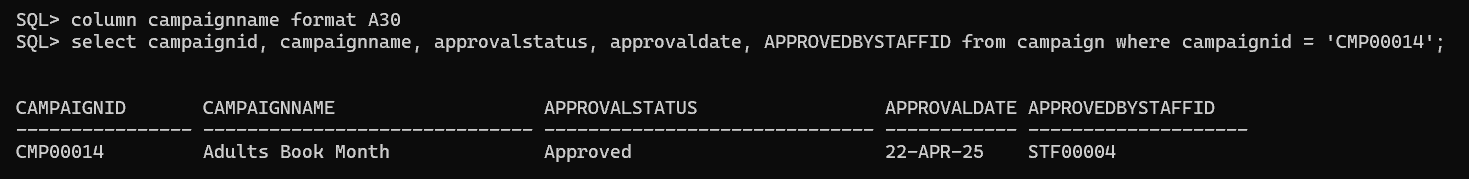
END IF;

END IF;

END;

/





#### 

#### 

#### 4.2.7 Report 1: Campaign effectiveness.

**Purpose : To evaluate the effectiveness of each campaign by analyzing voucher assignment and usage rates, and to summarize waived fine amounts, supporting data-driven decision-making for future campaigns.**

**Report Code :**

CREATE OR REPLACE PROCEDURE Rpt\_CampaignEff\_Insight AS

-- Cursor to get all distinct campaign types

CURSOR campaign\_type\_cur IS

SELECT DISTINCT CampaignType FROM Campaign ORDER BY CampaignType;

-- Cursor to get campaigns by type

CURSOR campaign\_cur(p\_type VARCHAR2) IS

SELECT CampaignID, CampaignName

FROM Campaign

WHERE CampaignType = p\_type;

-- Voucher usage cursor

CURSOR voucher\_cur(p\_CampaignID Campaign.CampaignID%TYPE) IS

SELECT

COUNT(\*) AS TotalAssigned,

SUM(CASE WHEN isUsed = 'Y' THEN 1 ELSE 0 END) AS TotalUsed

FROM MemberCampaign

WHERE CampaignID = p\_CampaignID;

-- Fine waived cursor

CURSOR fine\_waived\_cur(p\_CampaignID Campaign.CampaignID%TYPE) IS

SELECT SUM(f.Amount) AS TotalWaived

FROM Fine f

JOIN MemberCampaign mc ON f.MemberCampaignID = mc.MemberCampaignID

WHERE mc.CampaignID = p\_CampaignID

AND mc.isUsed = 'Y'

AND f.FineStatus = 'Paid';

-- Variables

v\_type Campaign.CampaignType%TYPE;

v\_CampaignID Campaign.CampaignID%TYPE;

v\_CampaignName Campaign.CampaignName%TYPE;

v\_TotalAssigned NUMBER := 0;

v\_TotalUsed NUMBER := 0;

v\_Effectiveness NUMBER := 0;

v\_TotalWaived NUMBER := 0;

-- Summary

v\_TotalCampaigns NUMBER := 0;

v\_SumEffectiveness NUMBER := 0;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('=== Campaign Effectiveness & Waived Fine Report by Type ===');

OPEN campaign\_type\_cur;

LOOP

FETCH campaign\_type\_cur INTO v\_type;

EXIT WHEN campaign\_type\_cur%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || '--- Campaign Type: ' || v\_type || ' ---');

DBMS\_OUTPUT.PUT\_LINE(RPAD('Campaign ID', 12) || RPAD('Name', 40) || RPAD('Assigned', 15) || RPAD('Used', 15) || RPAD('Effectiveness', 15) || 'Total Waived (RM)');

DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 120, '-'));

OPEN campaign\_cur(v\_type);

LOOP

FETCH campaign\_cur INTO v\_CampaignID, v\_CampaignName;

EXIT WHEN campaign\_cur%NOTFOUND;

OPEN voucher\_cur(v\_CampaignID);

FETCH voucher\_cur INTO v\_TotalAssigned, v\_TotalUsed;

CLOSE voucher\_cur;

OPEN fine\_waived\_cur(v\_CampaignID);

FETCH fine\_waived\_cur INTO v\_TotalWaived;

CLOSE fine\_waived\_cur;

v\_Effectiveness := 0;

IF v\_TotalAssigned > 0 THEN

v\_Effectiveness := ROUND((v\_TotalUsed / v\_TotalAssigned) \* 100, 2);

DBMS\_OUTPUT.PUT\_LINE(

RPAD(v\_CampaignID, 12) ||

RPAD(v\_CampaignName, 40) ||

RPAD(v\_TotalAssigned, 15) ||

RPAD(v\_TotalUsed, 15) ||

RPAD(TO\_CHAR(v\_Effectiveness, '990.00') || '%', 15) ||

NVL(TO\_CHAR(v\_TotalWaived, '9990.00'), '0.00')

);

v\_TotalCampaigns := v\_TotalCampaigns + 1;

v\_SumEffectiveness := v\_SumEffectiveness + v\_Effectiveness;

ELSE

DBMS\_OUTPUT.PUT\_LINE(RPAD(v\_CampaignID, 12) || RPAD(v\_CampaignName, 40) || 'No vouchers assigned.');

END IF;

END LOOP;

CLOSE campaign\_cur;

END LOOP;

CLOSE campaign\_type\_cur;

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || '=== Overall Campaign Summary ===');

DBMS\_OUTPUT.PUT\_LINE('Total Campaigns Evaluated: ' || v\_TotalCampaigns);

IF v\_TotalCampaigns > 0 THEN

DBMS\_OUTPUT.PUT\_LINE('Average Effectiveness: ' || TO\_CHAR(ROUND(v\_SumEffectiveness / v\_TotalCampaigns, 2), '90.00') || '%');

END IF;

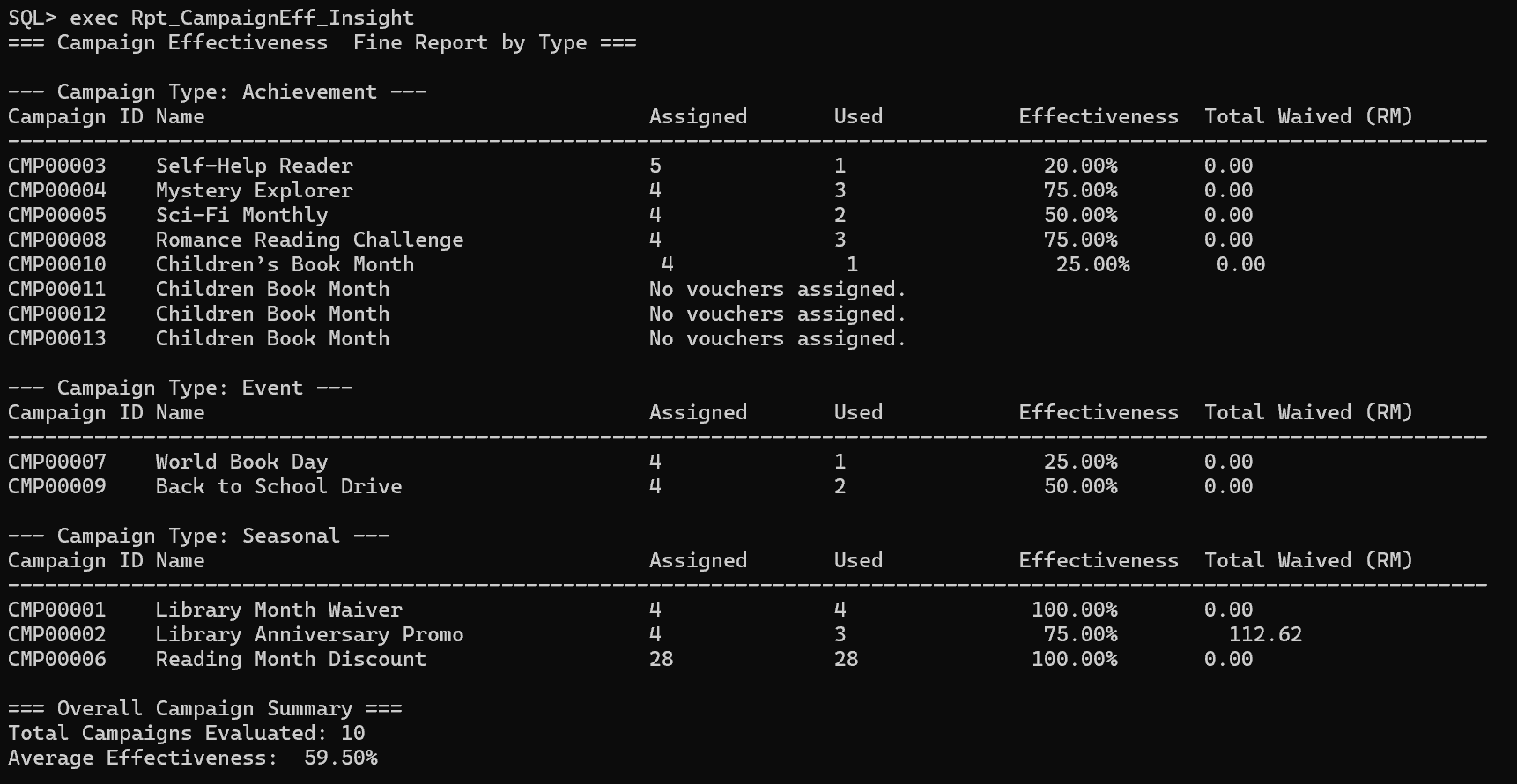
EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

END;

/

****

#### 4.2.8 Report 2: Summary of fines by reason and amount.

**Purpose : To generate a detailed summary of fines grouped by reason (e.g., late, lost, damaged), including total amount and frequency, assisting in financial oversight and fine policy evaluation.**

**Report Code :**

CREATE OR REPLACE PROCEDURE Generate\_Fines\_Summary\_Report AS

-- Cursors

CURSOR remark\_cursor IS

SELECT DISTINCT i.Remark

FROM Invoice i

JOIN Fine f ON i.FineID = f.FineID

ORDER BY i.Remark;

CURSOR detail\_cursor(p\_Remark VARCHAR2) IS

SELECT i.InvoiceID, i.Amount

FROM Invoice i

JOIN Fine f ON i.FineID = f.FineID

WHERE i.Remark = p\_Remark;

CURSOR invoice\_summary\_cursor IS

SELECT i.PaymentMethod, COUNT(\*) AS Count, SUM(i.Amount) AS Total

FROM Invoice i

GROUP BY i.PaymentMethod

ORDER BY i.PaymentMethod;

CURSOR paid\_unpaid\_cursor IS

SELECT f.FineStatus, COUNT(\*) AS Count, SUM(i.Amount) AS Total

FROM Fine f

JOIN Invoice i ON f.FineID = i.FineID

GROUP BY f.FineStatus

ORDER BY f.FineStatus;

-- Variables

v\_remark VARCHAR2(100);

v\_invoice\_id VARCHAR2(10);

v\_invoice\_amount NUMBER(10,2);

v\_payment\_method VARCHAR2(20);

v\_payment\_count NUMBER;

v\_payment\_total NUMBER(10,2);

v\_fine\_status VARCHAR2(15);

v\_status\_count NUMBER;

v\_status\_total NUMBER(10,2);

v\_case\_count NUMBER;

v\_total\_amount NUMBER(10,2);

v\_grand\_total\_amt NUMBER := 0;

v\_total\_fines NUMBER := 0;

v\_payment\_grand NUMBER := 0;

v\_status\_grand NUMBER := 0;

-- Flags

v\_found\_remark BOOLEAN := FALSE;

v\_found\_invoice BOOLEAN := FALSE;

v\_found\_status BOOLEAN := FALSE;

-- Custom exceptions

ex\_no\_remarks EXCEPTION;

ex\_no\_invoice\_sum EXCEPTION;

ex\_no\_fine\_status EXCEPTION;

-- Formatting constants

c\_line CONSTANT VARCHAR2(120) := LPAD('=', 120, '=');

c\_subline CONSTANT VARCHAR2(120) := LPAD('-', 120, '-');

c\_col1\_width CONSTANT NUMBER := 30;

c\_col2\_width CONSTANT NUMBER := 15;

c\_col3\_width CONSTANT NUMBER := 20;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(c\_line);

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || LPAD('FINE SUMMARY REPORT', 60));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

DBMS\_OUTPUT.PUT\_LINE('Generated on: ' || TO\_CHAR(SYSDATE, 'DD-MON-YYYY HH24:MI:SS'));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

-- Pre-count total fines

OPEN remark\_cursor;

LOOP

FETCH remark\_cursor INTO v\_remark;

EXIT WHEN remark\_cursor%NOTFOUND;

v\_case\_count := 0;

OPEN detail\_cursor(v\_remark);

LOOP

FETCH detail\_cursor INTO v\_invoice\_id, v\_invoice\_amount;

EXIT WHEN detail\_cursor%NOTFOUND;

v\_case\_count := v\_case\_count + 1;

END LOOP;

CLOSE detail\_cursor;

v\_total\_fines := v\_total\_fines + v\_case\_count;

END LOOP;

CLOSE remark\_cursor;

-- === Fine Details ===

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || LPAD('FINE DETAILS BY REMARK', 60));

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('REMARK', c\_col1\_width) || RPAD('CASES', c\_col2\_width) || RPAD('TOTAL AMOUNT (RM)', c\_col3\_width) || 'DISTRIBUTION');

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

OPEN remark\_cursor;

LOOP

FETCH remark\_cursor INTO v\_remark;

EXIT WHEN remark\_cursor%NOTFOUND;

v\_found\_remark := TRUE;

v\_case\_count := 0;

v\_total\_amount := 0;

OPEN detail\_cursor(v\_remark);

LOOP

FETCH detail\_cursor INTO v\_invoice\_id, v\_invoice\_amount;

EXIT WHEN detail\_cursor%NOTFOUND;

v\_case\_count := v\_case\_count + 1;

v\_total\_amount := v\_total\_amount + NVL(v\_invoice\_amount, 0);

END LOOP;

CLOSE detail\_cursor;

DECLARE v\_percent NUMBER;

BEGIN

v\_percent := CASE WHEN v\_total\_fines > 0 THEN ROUND(v\_case\_count / v\_total\_fines \* 100, 2) ELSE 0 END;

DBMS\_OUTPUT.PUT\_LINE(

RPAD(v\_remark, c\_col1\_width) ||

RPAD(v\_case\_count, c\_col2\_width) ||

RPAD(TO\_CHAR(v\_total\_amount, '9,999,990.00'), c\_col3\_width) ||

TO\_CHAR(v\_percent, '990.00') || '% ' || RPAD('■', GREATEST(1, ROUND(v\_percent / 2)), '■')

);

END;

v\_grand\_total\_amt := v\_grand\_total\_amt + v\_total\_amount;

END LOOP;

CLOSE remark\_cursor;

IF NOT v\_found\_remark THEN

RAISE ex\_no\_remarks;

END IF;

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('TOTAL', c\_col1\_width) || RPAD(v\_total\_fines, c\_col2\_width) || RPAD(TO\_CHAR(v\_grand\_total\_amt, '9,999,990.00'), c\_col3\_width));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

-- === Payment Method Summary ===

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || LPAD('PAYMENT METHOD SUMMARY', 60));

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('PAYMENT METHOD', c\_col1\_width) || RPAD('CASES', c\_col2\_width) || RPAD('TOTAL AMOUNT (RM)', c\_col3\_width) || 'DISTRIBUTION');

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

OPEN invoice\_summary\_cursor;

LOOP

FETCH invoice\_summary\_cursor INTO v\_payment\_method, v\_payment\_count, v\_payment\_total;

EXIT WHEN invoice\_summary\_cursor%NOTFOUND;

v\_found\_invoice := TRUE;

DECLARE v\_percent NUMBER;

BEGIN

v\_percent := CASE WHEN v\_total\_fines > 0 THEN ROUND(v\_payment\_count / v\_total\_fines \* 100, 2) ELSE 0 END;

DBMS\_OUTPUT.PUT\_LINE(

RPAD(v\_payment\_method, c\_col1\_width) ||

RPAD(v\_payment\_count, c\_col2\_width) ||

RPAD(TO\_CHAR(v\_payment\_total, '9,999,990.00'), c\_col3\_width) ||

TO\_CHAR(v\_percent, '990.00') || '% ' || RPAD('■', GREATEST(1, ROUND(v\_percent / 2)), '■')

);

v\_payment\_grand := v\_payment\_grand + v\_payment\_total;

END;

END LOOP;

CLOSE invoice\_summary\_cursor;

IF NOT v\_found\_invoice THEN

RAISE ex\_no\_invoice\_sum;

END IF;

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('TOTAL', c\_col1\_width + c\_col2\_width) || TO\_CHAR(v\_payment\_grand, '9,999,990.00'));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

-- === Fine Status Summary ===

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || LPAD('FINE STATUS SUMMARY', 60));

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('STATUS', c\_col1\_width) || RPAD('COUNT', c\_col2\_width) || RPAD('TOTAL AMOUNT (RM)', c\_col3\_width) || 'DISTRIBUTION');

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

OPEN paid\_unpaid\_cursor;

LOOP

FETCH paid\_unpaid\_cursor INTO v\_fine\_status, v\_status\_count, v\_status\_total;

EXIT WHEN paid\_unpaid\_cursor%NOTFOUND;

v\_found\_status := TRUE;

DECLARE v\_percent NUMBER;

BEGIN

v\_percent := CASE WHEN v\_total\_fines > 0 THEN ROUND(v\_status\_count / v\_total\_fines \* 100, 2) ELSE 0 END;

DBMS\_OUTPUT.PUT\_LINE(

RPAD(v\_fine\_status, c\_col1\_width) ||

RPAD(v\_status\_count, c\_col2\_width) ||

RPAD(TO\_CHAR(v\_status\_total, '9,999,990.00'), c\_col3\_width) ||

TO\_CHAR(v\_percent, '990.00') || '% ' || RPAD('■', GREATEST(1, ROUND(v\_percent / 2)), '■')

);

v\_status\_grand := v\_status\_grand + v\_status\_total;

END;

END LOOP;

CLOSE paid\_unpaid\_cursor;

IF NOT v\_found\_status THEN

RAISE ex\_no\_fine\_status;

END IF;

DBMS\_OUTPUT.PUT\_LINE(c\_subline);

DBMS\_OUTPUT.PUT\_LINE(RPAD('TOTAL', c\_col1\_width + c\_col2\_width) || TO\_CHAR(v\_status\_grand, '9,999,990.00'));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || LPAD('END OF REPORT', 60));

DBMS\_OUTPUT.PUT\_LINE(c\_line);

EXCEPTION

WHEN ex\_no\_remarks THEN

DBMS\_OUTPUT.PUT\_LINE('No fine/invoice remark records found.');

WHEN ex\_no\_invoice\_sum THEN

DBMS\_OUTPUT.PUT\_LINE('No invoice records found.');

WHEN ex\_no\_fine\_status THEN

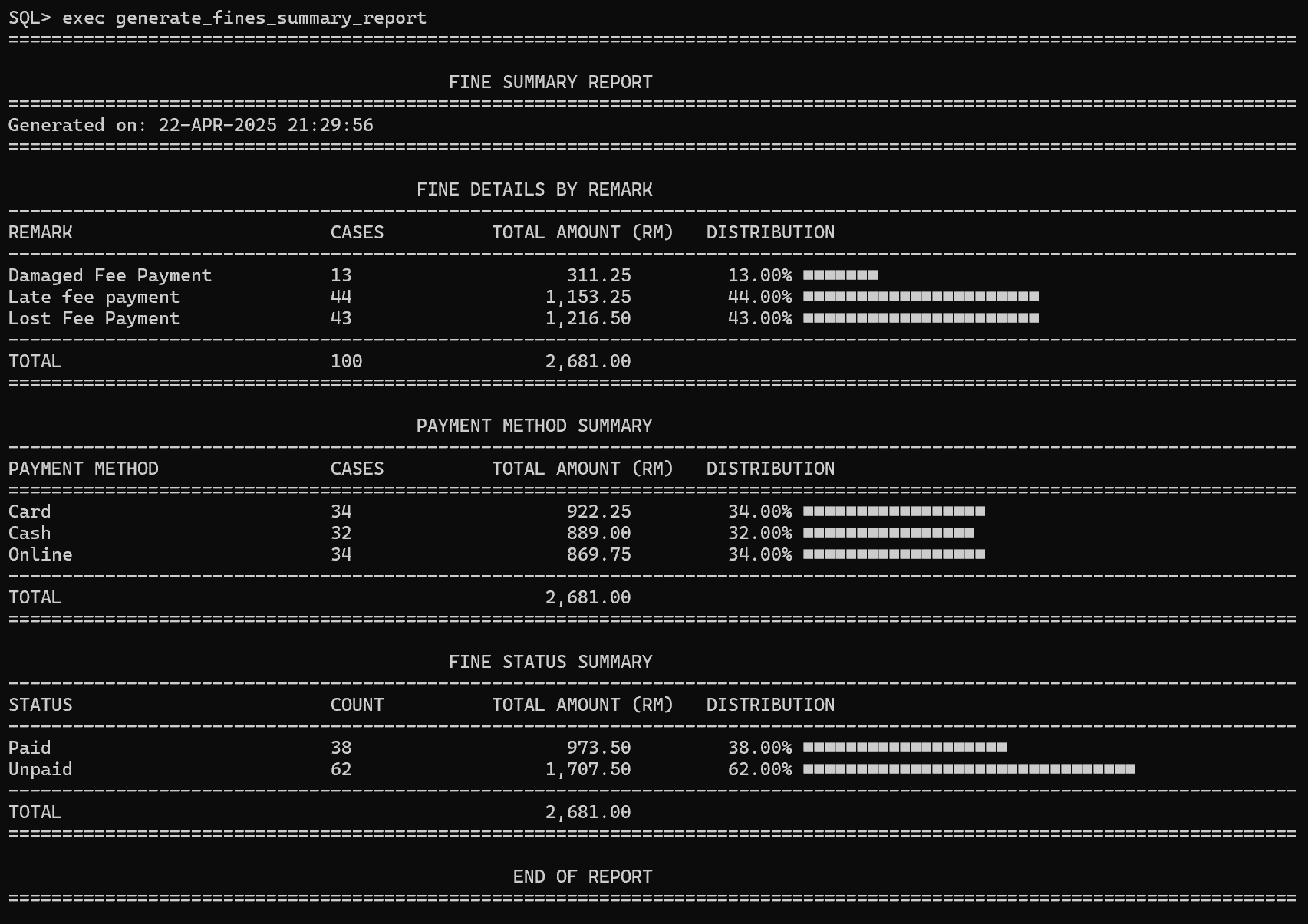
DBMS\_OUTPUT.PUT\_LINE('No fine status records found.');

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Unexpected error: ' || SQLERRM);

END;

/



### 4.4 Chee Jia Qian

#### 4.2.1 Query 1: Monthly Trend of Books Borrowed by Genre in the Current Year

**Purpose:**

This query displays the monthly borrowing trend of books categorized by genre within the current calendar year. It helps visualize how reading interests shift over time and which genres are most in demand throughout the year.

**Procedure Code:**

| SET PAGESIZE 1000;  SET LINESIZE 500;  ALTER SESSION SET NLS\_DATE\_FORMAT = 'YYYY-MM';  BREAK ON BorrowMonth SKIP 1  COMPUTE SUM LABEL 'Total' OF BorrowCount ON BorrowMonth  COLUMN BorrowMonth FORMAT A15 HEADING 'Borrow Month';  COLUMN GenreName FORMAT A25 HEADING 'Genre';  COLUMN BorrowCount FORMAT 9999 HEADING 'Books Borrowed';  TTITLE 'Monthly Trend of Books Borrowed by Genre in the Current Year'  SELECT  TO\_CHAR(bb.BorrowDate) AS BorrowMonth,  g.GenreName AS Genre,  COUNT(\*) AS BorrowCount  FROM  BorrowBook bb  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  JOIN BookGenre bg ON b.ISBN = bg.ISBN  JOIN Genre g ON bg.GenreID = g.GenreID  WHERE  TO\_CHAR(bb.BorrowDate, 'YYYY') = TO\_CHAR(SYSDATE, 'YYYY')  GROUP BY  TO\_CHAR(bb.BorrowDate),  g.GenreName  ORDER BY  BorrowMonth,  BorrowCount DESC; |
| --- |

**Sample Output:**

|  |
| --- |

#### 4.2.2 Query 2: Books That Frequently Lead to Fines

**Purpose:**

**This procedure is designed to update the price of a book in the library system based on its ISBN. It ensures the book exists before making changes and provides a confirmation message. This helps maintain accurate and up-to-date pricing information, supporting inventory management and decision-making related to book valuation.**

**Procedure Code:**

| SET PAGESIZE 1000;  SET LINESIZE 500;  ALTER SESSION SET NLS\_DATE\_FORMAT = 'YYYY-MM';  COLUMN ISBN FORMAT A15 HEADING 'ISBN'  COLUMN Title FORMAT A40 HEADING 'Book Title'  COLUMN PublicationYear FORMAT 9999 HEADING 'Year'  COLUMN TotalFines FORMAT 999 HEADING 'No. of Fines'  TTITLE CENTER 'Top 10 Books That Frequently Lead to Fines' SKIP 2  SELECT \*  FROM (  SELECT  b.ISBN,  b.Title,  b.PublicationYear,  COUNT(f.FineID) AS TotalFines  FROM  Book b  JOIN  BookCopy bc ON b.ISBN = bc.ISBN  JOIN  BorrowBook bb ON bc.BookCopyID = bb.BookCopyID  JOIN  Fine f ON bb.BorrowBookID = f.BorrowBookID  GROUP BY  b.ISBN, b.Title, b.PublicationYear  ORDER BY  COUNT(f.FineID) DESC  )  WHERE ROWNUM <= 10; |
| --- |

**Sample Output:**

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| --- |

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#### 4.2.3 Procedure 1: Update Book Price

**Purpose:**

This procedure is designed to update the price of a book in the library system based on its ISBN. It ensures the book exists before making changes and provides a confirmation message. This helps maintain accurate and up-to-date pricing information, supporting inventory management and decision-making related to book valuation.

**Procedure Code:**

| CREATE OR REPLACE PROCEDURE UpdateBookPrice (  p\_ISBN IN Book.ISBN%TYPE,  p\_NewPrice IN Book.Price%TYPE  ) AS  v\_count INTEGER;  BEGIN  -- Check if the book exists  SELECT COUNT(\*) INTO v\_count  FROM Book  WHERE ISBN = p\_ISBN;  IF v\_count = 0 THEN  RAISE\_APPLICATION\_ERROR(-20001, 'Book with given ISBN does not exist.');  END IF;  -- Update the book price  UPDATE Book  SET Price = p\_NewPrice  WHERE ISBN = p\_ISBN;  DBMS\_OUTPUT.PUT\_LINE('Book price updated successfully.');  EXCEPTION  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);  END;  / |
| --- |

| SET SERVEROUTPUT ON;  BEGIN  UpdateBookPrice('**ISBN**',**Update Amount**);  END;  / |
| --- |

**Sample Output:**

| **Before**    **After** |
| --- |

#### 4.2.4 Procedure 2: Track Borrowing History for a Book

**Purpose:**

**The TrackBorrowingHistory procedure displays the borrowing history of a specific book based on its ISBN, limited to the past six months. It shows the member ID, book copy ID, borrow and due dates, return date, and status. The output helps monitor circulation, track returns, and assess borrowing behavior efficiently.**

**Procedure Code:**

| CREATE OR REPLACE PROCEDURE TrackBorrowingHistory (  p\_ISBN IN Book.ISBN%TYPE  ) AS  BEGIN  DBMS\_OUTPUT.PUT\_LINE('Borrowing History for Book ISBN: ' || p\_ISBN);  -- Print column headers  DBMS\_OUTPUT.PUT\_LINE(  RPAD('Member ID', 12) ||  RPAD('BookCopyID', 15) ||  RPAD('Borrow Date', 15) ||  RPAD('Due Date', 15) ||  RPAD('Return Date', 15) ||  RPAD('Status', 10)  );  -- Print separator line  DBMS\_OUTPUT.PUT\_LINE(  RPAD('-', 12, '-') ||  RPAD('-', 15, '-') ||  RPAD('-', 15, '-') ||  RPAD('-', 15, '-') ||  RPAD('-', 15, '-') ||  RPAD('-', 10, '-')  );  -- Loop through result set  FOR rec IN (  SELECT  bb.MemberID,  bb.BookCopyID,  TO\_CHAR(bb.BorrowDate, 'YYYY-MM-DD') AS BorrowDate,  TO\_CHAR(bb.DueDate, 'YYYY-MM-DD') AS DueDate,  TO\_CHAR(rb.ReturnDate, 'YYYY-MM-DD') AS ReturnDate,  rb.ReturnStatus  FROM  BookCopy bc  JOIN  BorrowBook bb ON bc.BookCopyID = bb.BookCopyID  LEFT JOIN  ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID  WHERE  bc.ISBN = p\_ISBN  ORDER BY  bb.BorrowDate DESC  ) LOOP  DBMS\_OUTPUT.PUT\_LINE(  RPAD(rec.MemberID, 12) ||  RPAD(rec.BookCopyID, 15) ||  RPAD(rec.BorrowDate, 15) ||  RPAD(rec.DueDate, 15) ||  RPAD(NVL(rec.ReturnDate, '-'), 15) ||  RPAD(NVL(rec.ReturnStatus, 'Pending'), 10)  );  END LOOP;  EXCEPTION  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);  END;  / |
| --- |

| SET SERVEROUTPUT ON;  EXEC TrackBorrowingHistory('**ISBN**'); |
| --- |

**Sample Output:**

|  |
| --- |

#### 4.2.5 Trigger 1: Automatically Update BookCopy Availability on Return

**Purpose:**

**The trigger Automatically Update BookCopy Availability on Return ensures that a book’s availability status is updated immediately upon return. When a return record is inserted, the corresponding book copy is marked as available. This helps maintain accurate inventory status and supports efficient book borrowing operations in the library system.**

**Procedure Code:**

| CREATE OR REPLACE TRIGGER TRG\_UpdateBookAvail  AFTER INSERT ON ReturnBook  FOR EACH ROW  DECLARE  v\_BookCopyID BookCopy.BookCopyID%TYPE;  BEGIN  -- Get the BookCopyID from BorrowBook  SELECT BookCopyID INTO v\_BookCopyID  FROM BorrowBook  WHERE BorrowBookID = :NEW.BorrowBookID;  -- Update the BookCopy to set it as available  UPDATE BookCopy  SET IsAvailable = 'Y'  WHERE BookCopyID = v\_BookCopyID;  END;  / |
| --- |

**Sample Output:**

| **Before the status is ‘N’**    **After User return the Book**    **The Status will change to‘Y’and the Book Copy can be reservation** |
| --- |

#### 4.2.6 Trigger 2: Auto-Set ReturnStatus

**Purpose:**

**The purpose of this trigger is to automatically determine and assign a return status of either "On Time" or "Late" when a book is returned. It compares the return date with the borrow date to ensure accurate tracking of borrow durations, reducing manual errors and improving efficiency in return management.**

**Procedure Code:**

| CREATE OR REPLACE TRIGGER trg\_auto\_set\_return\_status  BEFORE INSERT OR UPDATE ON ReturnBook  FOR EACH ROW  DECLARE  v\_borrow\_date DATE;  BEGIN  IF :NEW.ReturnStatus IS NULL THEN  -- Get the BorrowDate from BorrowBook  SELECT BorrowDate INTO v\_borrow\_date  FROM BorrowBook  WHERE BorrowBookID = :NEW.BorrowBookID;  -- Compare only the date part (ignore time)  IF TRUNC(:NEW.ReturnDate) <= TRUNC(v\_borrow\_date) + 7 THEN  :NEW.ReturnStatus := 'On Time';  ELSE  :NEW.ReturnStatus := 'Late';  END IF;  END IF;  END;  / |
| --- |

**Sample Output:**

| **The BB0299 ReturnDueDate is Until '2025-04-14'**    **When the user return book within the '2025-04-14' the status will Change ‘On Time’, but user return book after the '2025-04-15' the status will be ‘Late’** |
| --- |

#### 

#### 4.2.7 Report 1: Summary Borrowing History Report

**Purpose:**

**This report provides a comprehensive borrowing history for each library member within a specific date range. It details borrowed books, borrowing and return dates, and return statuses. Additionally, it includes per-member and overall summaries of all book return statuses—such as On Time, Late, Lost, and Pending—to support effective library management and policy enforcement.**

**Procedure Code:**

| SET SERVEROUTPUT ON;  SET PAGESIZE 1000;  SET LINESIZE 500;  ALTER SESSION SET NLS\_DATE\_FORMAT = 'YYYY-MM-DD';  DECLARE  CURSOR c\_members IS  SELECT DISTINCT m.MemberID, m.Name  FROM Member m  JOIN BorrowBook bb ON m.MemberID = bb.MemberID  WHERE bb.BorrowDate BETWEEN TO\_DATE('2025-01-01', 'YYYY-MM-DD') AND TO\_DATE('2025-06-30', 'YYYY-MM-DD');  CURSOR c\_borrowed\_books(p\_member\_id Member.MemberID%TYPE) IS  SELECT  b.Title AS BookTitle,  bb.BorrowDate,  rb.ReturnDate,  rb.ReturnStatus  FROM BorrowBook bb  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID  WHERE bb.MemberID = p\_member\_id  AND bb.BorrowDate BETWEEN TO\_DATE('2025-01-01', 'YYYY-MM-DD') AND TO\_DATE('2025-06-30', 'YYYY-MM-DD')  ORDER BY bb.BorrowDate;  -- Per member counters  v\_total INTEGER;  v\_ontime INTEGER;  v\_late INTEGER;  v\_pending INTEGER;  v\_lost INTEGER;  -- Grand totals  g\_total INTEGER := 0;  g\_ontime INTEGER := 0;  g\_late INTEGER := 0;  g\_pending INTEGER := 0;  g\_lost INTEGER := 0;  BEGIN  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE(LPAD('Borrowing History Report (2025-01-01 to 2025-06-30)', 65));  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  FOR member\_rec IN c\_members LOOP  v\_total := 0;  v\_ontime := 0;  v\_late := 0;  v\_pending := 0;  v\_lost := 0;  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE('>> Member ID : ' || member\_rec.MemberID);  DBMS\_OUTPUT.PUT\_LINE('>> Member Name: ' || member\_rec.Name);  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE(RPAD(' Book Title', 35) ||  RPAD('Borrow Date', 15) ||  RPAD('Return Date', 15) ||  RPAD('Status', 10));  DBMS\_OUTPUT.PUT\_LINE(RPAD(' ----------', 35) ||  RPAD('------------', 15) ||  RPAD('------------', 15) ||  RPAD('-------', 10));  FOR book\_rec IN c\_borrowed\_books(member\_rec.MemberID) LOOP  v\_total := v\_total + 1;  IF book\_rec.ReturnStatus = 'On Time' THEN  v\_ontime := v\_ontime + 1;  ELSIF book\_rec.ReturnStatus = 'Late' THEN  v\_late := v\_late + 1;  ELSIF book\_rec.ReturnStatus = 'Lost' THEN  v\_lost := v\_lost + 1;  ELSE  v\_pending := v\_pending + 1;  END IF;  DBMS\_OUTPUT.PUT\_LINE(RPAD(' ' || book\_rec.BookTitle, 35) ||  RPAD(TO\_CHAR(book\_rec.BorrowDate, 'YYYY-MM-DD'), 15) ||  RPAD(NVL(TO\_CHAR(book\_rec.ReturnDate, 'YYYY-MM-DD'), 'Not Returned'), 15) ||  RPAD(NVL(book\_rec.ReturnStatus, 'Pending'), 10));  END LOOP;  -- Show per-member summary  DBMS\_OUTPUT.PUT\_LINE('');  DBMS\_OUTPUT.PUT\_LINE(' >> Summary:');  DBMS\_OUTPUT.PUT\_LINE(' Total Borrowed : ' || v\_total);  DBMS\_OUTPUT.PUT\_LINE(' On Time : ' || v\_ontime);  DBMS\_OUTPUT.PUT\_LINE(' Late : ' || v\_late);  DBMS\_OUTPUT.PUT\_LINE(' Lost : ' || v\_lost);  DBMS\_OUTPUT.PUT\_LINE(' Pending : ' || v\_pending);  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE('');  -- Add to grand totals  g\_total := g\_total + v\_total;  g\_ontime := g\_ontime + v\_ontime;  g\_late := g\_late + v\_late;  g\_lost := g\_lost + v\_lost;  g\_pending := g\_pending + v\_pending;  END LOOP;  -- Final Grand Totals  DBMS\_OUTPUT.PUT\_LINE(RPAD('\*', 100, '\*'));  DBMS\_OUTPUT.PUT\_LINE(LPAD(' -\_- FINAL GRAND TOTAL -\_-', 60));  DBMS\_OUTPUT.PUT\_LINE(RPAD('\*', 100, '\*'));  DBMS\_OUTPUT.PUT\_LINE(' Total Borrowed : ' || g\_total);  DBMS\_OUTPUT.PUT\_LINE(' On Time : ' || g\_ontime);  DBMS\_OUTPUT.PUT\_LINE(' Late : ' || g\_late);  DBMS\_OUTPUT.PUT\_LINE(' Lost : ' || g\_lost);  DBMS\_OUTPUT.PUT\_LINE(' Pending : ' || g\_pending);  DBMS\_OUTPUT.PUT\_LINE(RPAD('\*', 100, '\*'));  END;  / |
| --- |

**Sample Output:**

|  |
| --- |

#### 

#### 4.2.8 Report 2: Top 10 Most Popular Books

**Purpose:**

**This report identifies the top 10 most frequently borrowed books over the past three years, helping the library understand reading trends and user preferences. It includes each book's title, total borrow count, and associated genres, supporting informed decisions for acquisitions, promotions, and resource planning.**

**Procedure Code:**

| SET SERVEROUTPUT ON;  SET PAGESIZE 1000;  SET LINESIZE 500;  ALTER SESSION SET NLS\_DATE\_FORMAT = 'YYYY-MM-DD';  DECLARE  CURSOR c\_top\_books IS  SELECT \* FROM (  SELECT  b.Title,  g.GenreName,  COUNT(bb.BorrowBookID) AS BorrowCount  FROM  BorrowBook bb  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  JOIN BookGenre bg ON b.ISBN = bg.ISBN  JOIN Genre g ON bg.GenreID = g.GenreID  WHERE  bb.BorrowDate >= ADD\_MONTHS(SYSDATE, -36) -- Last 3 years  GROUP BY  b.Title, g.GenreName  ORDER BY  COUNT(bb.BorrowBookID) DESC  ) WHERE ROWNUM <= 10;  v\_rank NUMBER := 1;  BEGIN  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE(LPAD('+\_+ Top 10 Most Popular Books (Last 3 Years) +\_+', 70));  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  DBMS\_OUTPUT.PUT\_LINE(RPAD('Rank', 6) || RPAD('Book Title', 50) || RPAD('Genre', 25) || RPAD('Times Borrowed', 20));  DBMS\_OUTPUT.PUT\_LINE(RPAD('-', 6) || RPAD('-', 50, '-') || RPAD('-', 25, '-') || RPAD('-', 20, '-'));  FOR rec IN c\_top\_books LOOP  DBMS\_OUTPUT.PUT\_LINE(RPAD(v\_rank, 6) || RPAD(rec.Title, 50) || RPAD(rec.GenreName, 25) || RPAD(rec.BorrowCount, 20));  v\_rank := v\_rank + 1;  END LOOP;  DBMS\_OUTPUT.PUT\_LINE(RPAD('=', 100, '='));  END;  / |
| --- |

**Sample Output:**

|  |
| --- |

### 4.5 Ong Jun Wei

#### 4.5.1 Query 1: Members With Multiple "Collected" Reservations in Current Month

**Purpose:** **The purpose of this query is to help the library staff monitor and reward engaged members by listing those who have collected three or more books in the current month. The list includes the reservation dates, enabling more precise review of user activity patterns.**

**SQL Statement:**

CLEAR COLUMNS

CLEAR BREAKS

CLEAR COMPUTES

SET PAGESIZE 50

SET LINESIZE 200

SET UNDERLINE =

COLUMN MemberID HEADING 'Member ID' FORMAT A10

COLUMN Name HEADING 'Member Name' FORMAT A30

COLUMN TotalCollected HEADING 'Total|Collected' FORMAT 999

COLUMN CollectedDates HEADING 'Reservation Dates (Collected)' FORMAT A80 WORD\_WRAPPED

TTITLE LEFT 'Library Management System' SKIP 1 -

LEFT 'Report: Members With 3 or More Collected Reservations This Month' SKIP 2

SELECT

m.MemberID,

m.Name,

COUNT(\*) AS TotalCollected,

LISTAGG(TO\_CHAR(r.ReservationDate, 'DD-Mon-YYYY'), ', ') WITHIN GROUP (ORDER BY r.ReservationDate) AS CollectedDates

FROM

Member m

JOIN Reservation r ON m.MemberID = r.MemberID

WHERE

r.Status = 'Collected'

AND EXTRACT(MONTH FROM r.ReservationDate) = EXTRACT(MONTH FROM SYSDATE)

AND EXTRACT(YEAR FROM r.ReservationDate) = EXTRACT(YEAR FROM SYSDATE)

GROUP BY

m.MemberID, m.Name

HAVING

COUNT(\*) >= 3

ORDER BY

TotalCollected DESC;

TTITLE OFF

**Sample Output:**

|  |
| --- |

#### 4.5.2 Query 2: Total Fines Paid by Active Members in the Current Year

**Purpose:** **The purpose of this query is to provide strategic insights into revenue generated from fines by active members. This helps management evaluate the effectiveness of fine-related policies and seasonal campaigns, as well as support budgeting and policy decisions.**

**SQL Statement:**

CLEAR COLUMNS

CLEAR BREAKS

CLEAR COMPUTES

SET PAGESIZE 50

SET LINESIZE 200

SET UNDERLINE =

COLUMN MemberID HEADING 'Member|ID' FORMAT A10

COLUMN Name HEADING 'Member|Name' FORMAT A30

COLUMN TotalFinesPaid HEADING 'Total|Fines Paid (RM)' FORMAT $9999.99

COLUMN PaidDates HEADING 'Payment|Dates' FORMAT A60 WORD\_WRAPPED

TTITLE LEFT 'Library Management System' SKIP 1 -

LEFT 'Report: Total Fines Paid by Active Members in Current Year' SKIP 2

SELECT

m.MemberID,

m.Name,

NVL(SUM(f.Amount), 0) AS TotalFinesPaid,

NVL(LISTAGG(TO\_CHAR(f.PaymentDate, 'DD-Mon-YYYY'), ', ')

WITHIN GROUP (ORDER BY f.PaymentDate), '-') AS PaidDates

FROM

Member m

LEFT JOIN BorrowBook bb ON m.MemberID = bb.MemberID

LEFT JOIN Fine f ON bb.BorrowBookID = f.BorrowBookID AND f.FineStatus = 'Paid'

WHERE

m.Status = 'Active'

AND f.PaymentDate IS NOT NULL

AND EXTRACT(YEAR FROM f.PaymentDate) = EXTRACT(YEAR FROM SYSDATE)

GROUP BY

m.MemberID, m.Name

HAVING

SUM(f.Amount) > 0

ORDER BY

TotalFinesPaid DESC;

TTITLE OFF

**Sample Output:**

|  |
| --- |

#### 4.5.3 Procedure 1: Display Active Members and Their Latest Reservation

**Purpose:** **The purpose of this procedure is to retrieve a list of all active members along with the most recent reservation date they made. This supports operational-level decision making, such as monitoring current member engagement.**

**Procedure Code:**

DROP PROCEDURE GetLatestReservation;

SET SERVEROUTPUT ON

CREATE OR REPLACE PROCEDURE GetLatestReservation IS

CURSOR cur\_member IS

SELECT

m.MemberID,

m.Name,

(SELECT MAX(r.ReservationDate)

FROM Reservation r

WHERE r.MemberID = m.MemberID) AS LatestReservation

FROM

Member m

WHERE

m.Status = 'Active';

v\_MemberID Member.MemberID%TYPE;

v\_Name Member.Name%TYPE;

v\_LatestReservation Reservation.ReservationDate%TYPE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Active Members and Their Latest Reservation Date:');

DBMS\_OUTPUT.PUT\_LINE('---------------------------------------------------');

OPEN cur\_member;

LOOP

FETCH cur\_member INTO v\_MemberID, v\_Name, v\_LatestReservation;

EXIT WHEN cur\_member%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Member ID: ' || v\_MemberID ||

', Name: ' || v\_Name ||

', Latest Reservation: ' || NVL(TO\_CHAR(v\_LatestReservation, 'DD-Mon-YYYY'), 'None'));

END LOOP;

CLOSE cur\_member;

END;

/

EXEC GetLatestReservation;

**Sample Output:**

|  |
| --- |

#### 4.5.4 Procedure 2: Update Member Status Based on Inactivity

**Purpose: The purpose of this procedure is to automatically update a member’s status to 'Inactive' if they have not made any reservation in the past 12 months. This supports operational-level maintenance of active user records and improves database hygiene.**

**Procedure Code:**

DROP PROCEDURE UpdateInactiveMembers;

CREATE OR REPLACE PROCEDURE UpdateInactiveMembers IS

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Members updated to Inactive status:');

DBMS\_OUTPUT.PUT\_LINE('-----------------------------------');

FOR rec IN (

SELECT MemberID, Name

FROM Member

WHERE MemberID NOT IN (

SELECT DISTINCT MemberID

FROM Reservation

WHERE ReservationDate >= ADD\_MONTHS(SYSDATE, -12)

)

AND Status != 'Inactive'

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Member ID: ' || rec.MemberID || ' | Name: ' || rec.Name);

END LOOP;

-- Perform update

UPDATE Member m

SET m.Status = 'Inactive'

WHERE m.MemberID NOT IN (

SELECT DISTINCT r.MemberID

FROM Reservation r

WHERE r.ReservationDate >= ADD\_MONTHS(SYSDATE, -12)

)

AND m.Status != 'Inactive';

DBMS\_OUTPUT.PUT\_LINE(SQL%ROWCOUNT || ' member(s) updated to Inactive status.');

END;

/

SET SERVEROUTPUT ON;

EXEC UpdateInactiveMembers;

**Sample Output:**

|  |
| --- |

#### 4.5.5 Trigger 1: Prevent Duplicate Member Email During Insert

**Purpose:** **The purpose of this trigger is to enforce a business rule that prevents registering a new member with an email address that already exists in the system. This ensures the uniqueness of member email addresses, supporting accurate identity management and avoiding conflicts in communication or login systems.**

**Trigger Code:**

DROP TRIGGER trg\_prevent\_duplicate\_email;

SET SERVEROUTPUT ON

CREATE OR REPLACE TRIGGER trg\_prevent\_duplicate\_email

BEFORE INSERT ON Member

FOR EACH ROW

DECLARE

v\_count NUMBER;

BEGIN

SELECT COUNT(\*) INTO v\_count

FROM Member

WHERE LOWER(Email) = LOWER(:NEW.Email);

IF v\_count > 0 THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Email address already exists. Please use a different email.');

END IF;

END;

/

-- ALTER TRIGGER trg\_prevent\_duplicate\_email ENABLE;

-- ALTER TRIGGER trg\_prevent\_duplicate\_email DISABLE;

-- to test

-- INSERT INTO Member (MemberID, Name, Email, Status)

-- VALUES ('M10022', 'Bob Lee', 'ALICE@example.com', 'Active');

-- INSERT INTO Member (MemberID, Name, Email, Status)

-- VALUES ('M10011', 'Alice Tan', 'alice@example.com', 'Active');

**Sample Output:**

|  |
| --- |

#### 4.5.6 Trigger 2: Prevent Reservation by Inactive Members

**Purpose:** **The purpose of this trigger is to enforce the policy that members marked as 'Inactive' are not allowed to make new reservations. This ensures that only currently active members can access reservation services, upholding membership policy and system access control.**

**Trigger Code:**

DROP TRIGGER block\_reservations;

-- Create trigger

CREATE OR REPLACE TRIGGER block\_reservations

BEFORE INSERT ON Reservation

FOR EACH ROW

DECLARE

v\_status VARCHAR2(20);

BEGIN

SELECT Status INTO v\_status

FROM Member

WHERE MemberID = :NEW.MemberID;

IF v\_status = 'Inactive' THEN

RAISE\_APPLICATION\_ERROR(-20002, 'Inactive members are not allowed to make reservations.');

END IF;

END;

/

*-- Step 1: Set a member's status to 'Inactive'*

UPDATE Member

SET Status = 'Inactive'

WHERE MemberID = 'M001';

*-- Step 2: Try inserting a reservation for that inactive member*

INSERT INTO Reservation (MemberID, ReadyForPickupDate, ISBN, BookCopyID, ReservationDate, Status) VALUES ('M00001', NULL, '978396733209342', 'BC00099', SYSDATE, 'Pending');

**Sample Output:**

|  |
| --- |

#### 4.5.7 Report 1: Detailed Member Reservation History Report

**Purpose: The purpose of this report is to provide detailed insights into each active member’s reservation history. It helps the organization review individual member activity, such as when and how often books were reserved. This is useful for analyzing user engagement and identifying frequent users.**

**Report Code:**

SET SERVEROUTPUT ON;

DROP PROCEDURE MemberReservationReport;

CREATE OR REPLACE PROCEDURE MemberReservationReport IS

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Detailed Member Reservation History Report');

DBMS\_OUTPUT.PUT\_LINE('===========================================');

-- Outer cursor: Active members

FOR member\_rec IN (

SELECT MemberID, Name

FROM Member

WHERE Status = 'Active'

) LOOP

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || 'Member ID: ' || member\_rec.MemberID || ' | Name: ' || member\_rec.Name);

DBMS\_OUTPUT.PUT\_LINE(' Reservation Date | Status');

DBMS\_OUTPUT.PUT\_LINE(' ------------------ | ---------');

-- Inner cursor: Reservations for current member

FOR res\_rec IN (

SELECT TO\_CHAR(ReservationDate, 'DD-Mon-YYYY') AS ResDate, Status

FROM Reservation

WHERE MemberID = member\_rec.MemberID

ORDER BY ReservationDate

) LOOP

DBMS\_OUTPUT.PUT\_LINE(' ' || RPAD(res\_rec.ResDate, 18) || ' | ' || res\_rec.Status);

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('--------------------------------------------------');

END LOOP;

END;

/

EXEC MemberReservationReport;

**Sample Output:**

|  |
| --- |

#### 4.5.8 Report 2: On-Demand Member Borrowing & Fine Report

**Purpose: The purpose of this report is to allow librarians or administrators to generate an on-demand report of a specific member's borrowing history and any associated fines. It supports case-by-case inquiries when dealing with complaints, audits, or activity reviews.**

**Report Code:**

DROP PROCEDURE MemberBorrowingFineReport;

CREATE OR REPLACE PROCEDURE MemberBorrowingFineReport(p\_MemberID IN VARCHAR2) IS

v\_Name Member.Name%TYPE;

-- Cursor 1: Get member name

CURSOR cur\_member IS

SELECT Name FROM Member WHERE MemberID = p\_MemberID;

-- Cursor 2: Get all borrowings

CURSOR cur\_borrow IS

SELECT BorrowBookID, TO\_CHAR(BorrowDate, 'DD-Mon-YYYY') AS BorrowDate

FROM BorrowBook

WHERE MemberID = p\_MemberID

ORDER BY BorrowDate;

-- Nested cursor: Get fines per borrow record

CURSOR cur\_fine(p\_borrow\_id BorrowBook.BorrowBookID%TYPE) IS

SELECT TO\_CHAR(PaymentDate, 'DD-Mon-YYYY') AS PayDate, Amount, FineStatus

FROM Fine

WHERE BorrowBookID = p\_borrow\_id;

BEGIN

-- Get member name

OPEN cur\_member;

FETCH cur\_member INTO v\_Name;

IF cur\_member%NOTFOUND THEN

DBMS\_OUTPUT.PUT\_LINE('No such member with ID: ' || p\_MemberID);

CLOSE cur\_member;

RETURN;

END IF;

CLOSE cur\_member;

DBMS\_OUTPUT.PUT\_LINE('Borrowing n Fine Report for Member ID: ' || p\_MemberID);

DBMS\_OUTPUT.PUT\_LINE('Name: ' || v\_Name);

DBMS\_OUTPUT.PUT\_LINE('===============================================================');

-- Loop over borrowing records

FOR borrow\_rec IN cur\_borrow LOOP

DBMS\_OUTPUT.PUT\_LINE(CHR(10) || 'BorrowBook ID: ' || borrow\_rec.BorrowBookID ||

' | Borrow Date: ' || borrow\_rec.BorrowDate);

DBMS\_OUTPUT.PUT\_LINE(' Payment Date | Amount (RM) | Fine Status');

DBMS\_OUTPUT.PUT\_LINE(' ---------------- | ------------ | -------------');

-- Nested: loop over fines for each borrow

FOR fine\_rec IN cur\_fine(borrow\_rec.BorrowBookID) LOOP

DBMS\_OUTPUT.PUT\_LINE(' ' || RPAD(fine\_rec.PayDate, 16) || ' | ' ||

LPAD(TO\_CHAR(fine\_rec.Amount, '9990.00'), 12) || ' | ' ||

fine\_rec.FineStatus);

END LOOP;

END LOOP;

END;

/

SET SERVEROUTPUT ON;

EXEC MemberBorrowingFineReport('M00030');

**Sample Output:**

|  |
| --- |

## Chapter 5 Extra Effort Highlights

### 5.1 JIMMY CHAN KAH LOK

#### 5.1.1 View

**Query 1**

| CREATE OR REPLACE VIEW TodayReservationSummary AS  SELECT  B.Title,  COUNT(\*) AS TotalReservationsToday  FROM  Reservation R  JOIN  Book B ON R.ISBN = B.ISBN  WHERE  R.Status = 'Ready for Pickup'  AND TRUNC(R.ReservationDate) = TRUNC(SYSDATE)  GROUP BY  B.Title; |
| --- |

**Query 2**

| CREATE OR REPLACE VIEW DueBookSummary AS  SELECT  CASE  WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE) THEN  'Due Today (' || TO\_CHAR(SYSDATE, 'YYYY-MM-DD') || ')'  WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE + 1) THEN  'Due Tomorrow (' || TO\_CHAR(SYSDATE + 1, 'YYYY-MM-DD') || ')'  END AS Due\_Group,  M.MemberID,  M.Name AS MemberName,  COUNT(\*) AS "No of BookDue"  FROM  BorrowBook BB  JOIN  Member M ON BB.MemberID = M.MemberID  WHERE  TRUNC(BB.DueDate) IN (TRUNC(SYSDATE), TRUNC(SYSDATE + 1))  GROUP BY  CASE  WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE) THEN  'Due Today (' || TO\_CHAR(SYSDATE, 'YYYY-MM-DD') || ')'  WHEN TRUNC(BB.DueDate) = TRUNC(SYSDATE + 1) THEN  'Due Tomorrow (' || TO\_CHAR(SYSDATE + 1, 'YYYY-MM-DD') || ')'  END,  M.MemberID,  M.Name; |
| --- |

#### 5.1.2 Output Formatting

**Query 1**

| SET PAGESIZE 200  COLUMN Title HEADING 'Book Title' FORMAT A40  COLUMN TotalReservationsToday HEADING 'Total Reservation Today' FORMAT 9999  BREAK ON REPORT  COMPUTE SUM LABEL 'TOTAL' OF TotalReservationsToday ON REPORT |
| --- |

**Query 2**

| COLUMN Due\_Group HEADING 'Due Group' FORMAT A30  COLUMN MemberID HEADING 'Member ID' FORMAT A10  COLUMN MemberName HEADING 'Member Name' FORMAT A25  COLUMN "No of BookDue" HEADING 'Books Due' FORMAT 9999  BREAK ON Due\_Group SKIP 1  COMPUTE SUM LABEL 'TOTAL' OF "No of BookDue" ON Due\_Group |
| --- |

#### 

#### 5.1.3 Exceptions Handling

**1. Default Exception**

**Description:**

“WHEN NO\_DATA\_FOUND” will trigger when there is no any row return from the SELECT statement.

**Application:**

It will trigger when there is a situation where no available bookcopy(IsAvailable = ‘Y’) is found for a reservation’s ISBN.

| EXCEPTION  WHEN NO\_DATA\_FOUND THEN  DBMS\_OUTPUT.PUT\_LINE('No available copy for ISBN ' || v\_ISBN || '; skipping...');  END; |
| --- |

**2. Custom Exception**

**Description:**

“WHEN NO\_DATA\_FOUND” will trigger when there is no any row return from the SELECT statement.

**Application:**

It will trigger when there is a situation where no available bookcopy(IsAvailable = ‘Y’) is found for a reservation’s ISBN.

| no\_expired\_found EXCEPTION;  update\_failed EXCEPTION;  IF SQL%ROWCOUNT = 0 THEN  RAISE update\_failed;  END IF;  IF v\_found\_count = 0 THEN  RAISE no\_expired\_found;  END IF;  EXCEPTION  WHEN no\_expired\_found THEN  DBMS\_OUTPUT.PUT\_LINE('No expired reservations found to process.');  WHEN update\_failed THEN  DBMS\_OUTPUT.PUT\_LINE('Reservation update failed.');  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Unexpected error: ' || SQLERRM);  END; |
| --- |

#### 5.1.4 Sequence

**Description:**

In our system, SEQ\_BorrowBookID is used to create unique BorrowBookID values each time a member collects a reserved book and a borrow record is created.

**Application:**

* This sequence is used in the trigger trg\_create\_borrow\_on\_collect
* It ensures every borrow transaction gets a unique ID
* It prevents conflicts or duplication of BorrowBookID
* It helps track and reference borrow records consistently in the system

| CREATE SEQUENCE SEQ\_BorrowBookID  START WITH 1  INCREMENT BY 1  NOCACHE  NOCYCLE; |
| --- |

#### 

#### 5.1.5 Indexes

**1. Index on Reservation(Status, ReservationDate)**

**Purpose: Speeds up queries that filter by reservation status and date. (Useful for views and reports like today's reservations or those marked "Ready for Pickup".)**

| CREATE INDEX idx\_reservation\_status\_date  ON Reservation (Status, ReservationDate); |
| --- |

**2. Index on BookCopy(ISBN, IsAvailable)**

**Purpose: Speeds up lookup for available book copies by ISBN (Used in procedures that assign**

**books for reservation.)**

| CREATE INDEX idx\_bookcopy\_isbn\_available  ON BookCopy (ISBN, IsAvailable); |
| --- |

### 5.2 Loo Jie Yang

#### 5.2.1 Sequence

**Description:**

In our system, Fine\_seq is used to create unique FineID values each time a member pays the fine while late return.

**Application:**

* This sequence is used in the procedure ReturnBookProcess
* It ensures every fine gets a unique ID
* It prevents conflicts or duplication of FineID

| CREATE SEQUENCE Fine\_seq  START WITH 1  INCREMENT BY 1  NOCACHE  NOCYCLE; |
| --- |

#### 

#### 5.2.2 Views

**Query 1**

| CREATE OR REPLACE VIEW UpcomingDueBooks AS  SELECT  m.Name,  bb.BookCopyID,  b.Title AS BookTitle  FROM  BorrowBook bb  JOIN Member m ON bb.MemberID = m.MemberID  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID  WHERE  bb.DueDate = TRUNC(SYSDATE) + 3  AND rb.BorrowBookID IS NULL  ORDER BY  bb.DueDate ASC; |
| --- |

**Query 2**

| CREATE OR REPLACE VIEW LateReturnSummary AS  SELECT  m.Name,  LISTAGG(b.Title, CHR(10)) WITHIN GROUP (ORDER BY b.Title) AS BookTitles,  COUNT(bb.BorrowBookID) AS TotalOverdueBooks,  SUM(  CASE  WHEN (TRUNC(SYSDATE) - bb.DueDate) <= 7 THEN 5  ELSE 5 + ((TRUNC(SYSDATE) - bb.DueDate) - 7)  END  ) AS TotalFineAmount  FROM  Fine f  JOIN BorrowBook bb ON f.BorrowBookID = bb.BorrowBookID  JOIN Member m ON bb.MemberID = m.MemberID  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID  WHERE  bb.DueDate < TRUNC(SYSDATE)  AND rb.BorrowBookID IS NULL  AND f.FineStatus = 'Unpaid'  GROUP BY  m.Name  ORDER BY  MIN(f.FineID); |
| --- |

#### 

#### 5.2.3 Index

**Index on Fine(PaymentDate, FineStatus)**

**Purpose : Oracle can use the index to quickly find rows matching both PaymentDate and FineStatus, avoiding full table scans.**

| CREATE INDEX idx\_fine\_payment\_status ON Fine(PaymentDate, FineStatus); |
| --- |

**Index on Fine(CampaignID)**

**Purpose : Speeds up retrieval of all fines under a specific campaign, especially if campaigns affect multiple users.**

| CREATE INDEX idx\_fine\_campaignid ON Fine(CampaignID); |
| --- |

#### 5.2.4 Output Formatting

**Output Formatting 1**

| COLUMN Name HEADING 'Member Name' FORMAT A12  COLUMN BookCopyID HEADING 'Book Copy ID' FORMAT A15  COLUMN BookTitles HEADING 'Book Titles' FORMAT A40 |
| --- |

**Output Formatting 2**

| COLUMN Name HEADING 'Member Name' FORMAT A12  COLUMN TotalOverdueBooks HEADING 'Total Overdue Books' FORMAT 9999  COLUMN BookTitles HEADING 'Book Titles' FORMAT A40  COLUMN TotalFineAmount HEADING 'Total Fine Amount' FORMAT 9999 |
| --- |

#### 5.2.5 Exceptions

**Default Exception**

**Description:**

“WHEN NO\_DATA\_FOUND” will trigger when there is no any row return from the SELECT statement.

**Application:**

It will trigger when there is a situation where no available BorrowBookID is found to return the book.

| EXCEPTION  WHEN NO\_DATA\_FOUND THEN  DBMS\_OUTPUT.PUT\_LINE('BorrowBookID not found.');  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);  ROLLBACK;  END; |
| --- |

**Custom Exception**

**Description:**

“WHEN v\_AlreadyBorrowed” will trigger when there is a row return from the SELECT statement same as inserted data.

**Application:**

It will trigger when there is a situation when the member has borrowed the same book before but has not yet returned.

| EXCEPTION  WHEN NO\_DATA\_FOUND THEN  RAISE\_APPLICATION\_ERROR('Invalid Member ID or Book Copy ID.');  WHEN v\_AlreadyBorrowed THEN  RAISE\_APPLICATION\_ERROR('This member has already borrowed this book and not returned it.');  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);  ROLLBACK;  END; |
| --- |

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### 5.3 LEE CHUN YIN

#### 5.3.1 View

**Query 1**

| CREATE OR REPLACE VIEW Top10\_Members\_HighestFines AS  SELECT \*  FROM (  SELECT  m.memberId,  m.email,  m.phoneNumber,  m.status,  SUM(f.amount) AS totalFineAmount  FROM  member m  JOIN  borrowbook bb ON m.memberId = bb.memberId  JOIN  fine f ON bb.borrowBookId = f.borrowBookId  GROUP BY  m.memberId, m.email, m.phoneNumber, m.status  HAVING  SUM(NVL(f.amount, 0)) > 0  ORDER BY  SUM(f.amount) DESC  )  WHERE ROWNUM <= 10;  SET PAGESIZE 100  SET LINESIZE 74  COLUMN memberId FORMAT A8  COLUMN email FORMAT A23  COLUMN phoneNumber FORMAT A13  COLUMN status FORMAT A10  COLUMN totalFineAmount FORMAT 9,999.99  TTITLE CENTER 'TOP 10 MEMBERS WITH THE HIGHEST FINES PAID' SKIP 2  BREAK ON REPORT  COMPUTE SUM LABEL 'TOTAL' OF totalFineAmount ON REPORT  SELECT \* FROM Top10\_Members\_HighestFines; |
| --- |

**Query 2**

| CREATE OR REPLACE VIEW BookCopyCount\_ByGenre AS  SELECT  g.GenreName,  b.Title AS BookTitle,  COUNT(bc.BookCopyID) AS BookCopyCount  FROM  Genre g  JOIN BookGenre bg ON g.GenreID = bg.GenreID  JOIN Book b ON bg.ISBN = b.ISBN  JOIN BookCopy bc ON b.ISBN = bc.ISBN  GROUP BY  g.GenreName, b.Title  ORDER BY  g.GenreName, b.Title;  SET PAGESIZE 200  SET LINESIZE 400  SET NEWPAGE 2  TTITLE CENTER 'BOOK COPY COUNT BY GENRE' SKIP 2  CLEAR BREAKS  CLEAR COMPUTES  COLUMN GenreName FORMAT A20  COLUMN BookTitle FORMAT A35  COLUMN BookCopyCount FORMAT 999  BREAK ON GenreName PAGE ON REPORT  COMPUTE SUM LABEL 'Total' OF BookCopyCount ON GenreName  SELECT \* FROM BookCopyCount\_ByGenre; |
| --- |

#### 5.3.2 Sequence

**Description:**

In our system, member\_campaign\_seq is used to create unique MemberCampaignID values each time a voucher is inserted to the MemberCampaign Table .

**Application:**

* This sequence is used in the procedure AssignVoucherDaily
* It ensures every MemberCampaign gets a unique ID
* It prevents conflicts or duplication of MemberCampaignID

| CREATE SEQUENCE member\_campaign\_seq  START WITH 40  INCREMENT BY 1  NOCACHE  NOCYCLE; |
| --- |

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#### 5.3.3 Index

**Index on Fine(PaymentDate, FineStatus)**

**Purpose : Oracle can use the index to quickly find rows matching both PaymentDate and FineStatus, avoiding full table scans.**

| CREATE INDEX idx\_fine\_payment\_status ON Fine(PaymentDate, FineStatus); |
| --- |

**Index on Fine(CampaignID)**

**Purpose : Speeds up retrieval of all fines under a specific campaign, especially if campaigns affect multiple users.**

| CREATE INDEX idx\_fine\_campaignid ON Fine(CampaignID); |
| --- |

#### 5.3.4 Output Formatting

**Output Formatting 1**

| SET PAGESIZE 100  SET LINESIZE 74  COLUMN memberId FORMAT A8  COLUMN email FORMAT A23  COLUMN phoneNumber FORMAT A13  COLUMN status FORMAT A10  COLUMN totalFineAmount FORMAT 9,999.99 |
| --- |

**Output Formatting 2**

| COLUMN GenreName FORMAT A20  COLUMN BOOKTITLE FORMAT A35  COLUMN BookCopyCount FORMAT 999 |
| --- |

#### 5.3.5 Exceptions

**Default Exception**

**Description:**

“WHEN ex\_no\_remarks”, “WHEN ex\_no\_invoice\_sum”, “WHEN ex\_no\_fine\_status” will trigger when there is no row return from the SELECT statement.

**Application:**

It will trigger when there is a situation where no record is found from invoice or fine table..

| EXCEPTION  WHEN ex\_no\_remarks THEN  DBMS\_OUTPUT.PUT\_LINE('No fine/invoice remark records found.');  WHEN ex\_no\_invoice\_sum THEN  DBMS\_OUTPUT.PUT\_LINE('No invoice records found.');  WHEN ex\_no\_fine\_status THEN  DBMS\_OUTPUT.PUT\_LINE('No fine status records found.');  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Unexpected error: ' || SQLERRM);  END;  / |
| --- |

**Custom Exception**

**Description:**

“WHEN e\_NoCampaigns ” will trigger when there is no any row return from the SELECT statement.

**Application:**

It will trigger when there is a situation when the campaign table has no record yet..

| EXCEPTION  WHEN e\_NoCampaigns THEN  NULL;  WHEN OTHERS THEN  NULL;  END AssignVoucherDaily;  / |
| --- |

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### 5.4 Chee Jia Qian

#### 5.4.1 Sequence

**Description:**

SEQ\_ReturnBookID is a database sequence used to automatically generate unique values for ReturnBookID whenever a return transaction is recorded in the system.

**Application:**

* This sequence is used when inserting new records into the ReturnBook table.
* It ensures each return transaction receives a unique identifier, avoiding duplication or conflicts
* SEQ\_ReturnBookID supports accurate tracking of book returns and is especially useful when used in procedures or triggers that handle return logic.
* It simplifies the return record creation process and enhances the integrity of return data within the library system.

| CREATE SEQUENCE SEQ\_ReturnBookID  START WITH 1  INCREMENT BY 1  NOCACHE  NOCYCLE; |
| --- |

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#### 5.4.2 Views

1. **View 1: Borrowing History View**

| CREATE OR REPLACE VIEW vw\_borrowing\_history AS  SELECT  m.MemberID,  m.Name AS MemberName,  b.Title AS BookTitle,  bb.BorrowDate,  rb.ReturnDate,  rb.ReturnStatus  FROM Member m  JOIN BorrowBook bb ON m.MemberID = bb.MemberID  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  LEFT JOIN ReturnBook rb ON bb.BorrowBookID = rb.BorrowBookID; |
| --- |

1. **View 2: Monthly Borrowing by Genre**

| CREATE OR REPLACE VIEW vw\_monthly\_borrowing\_genre AS  SELECT  TO\_CHAR(bb.BorrowDate, 'YYYY-MM') AS BorrowMonth,  g.GenreName,  COUNT(\*) AS BorrowCount  FROM BorrowBook bb  JOIN BookCopy bc ON bb.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  JOIN BookGenre bg ON b.ISBN = bg.ISBN  JOIN Genre g ON bg.GenreID = g.GenreID  WHERE TO\_CHAR(bb.BorrowDate, 'YYYY') = TO\_CHAR(SYSDATE, 'YYYY')  GROUP BY TO\_CHAR(bb.BorrowDate, 'YYYY-MM'), g.GenreName; |
| --- |

#### 5.4.3 Indexes

1. **Index 1: On BorrowBook for BorrowDate (for performance in date range queries)**

| CREATE INDEX idx\_borrow\_date ON BorrowBook(BorrowDate); |
| --- |

1. **Index 2: On ReturnBook for ReturnStatus (to filter quickly)**

| CREATE INDEX idx\_return\_status ON ReturnBook(ReturnStatus); |
| --- |

#### 5.4.4 Output Formatting

**Description:**

Output formatting in the system is used to enhance the readability and structure of report outputs. Commands like SET PAGESIZE, SET LINESIZE, COLUMN FORMAT, TTITLE, BREAK, and COMPUTE are applied to control layout, titles, column width, and summarization in the SQL report results.

**Application:**

These formatting commands are applied in the **Four queries—Monthly Trend of Books Borrowed by Genre, Summary Borrowing History Report,Top 10 Most Popular Books, Books That Frequently Lead to Fines**. For instance, TTITLE is used to add meaningful report titles, COLUMN FORMAT aligns column widths, and COMPUTE with BREAK generates totals per group. These enhancements make the output more presentable and easier to interpret for library staff and management.

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#### 5.4.5 Exceptions

**Description:**  
 Exception handling is used in PL/SQL procedures and triggers to gracefully manage unexpected errors or enforce custom validations. It improves reliability, user feedback, and debugging by capturing errors and providing meaningful messages instead of abrupt failures.

**Application:**

Two types of exceptions are used in your system:

1. RAISE\_APPLICATION\_ERROR: Used in the UpdateBookPrice procedure to check whether the book exists before updating the price. If the book does not exist, a custom error message is raised to inform the user.
2. Default Exception Handling: Used in both procedures (UpdateBookPrice and TrackBorrowingHistory) to catch any other unhandled exceptions. The system prints a user-friendly error message using DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM) to help identify issues during execution.

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### 5.5 Ong Jun Wei

#### 5.5.1 sequence

**Description:**

SEQ\_MemberUpdateID is a custom sequence used to generate unique values when tracking updates to a member’s status, such as suspension or reactivation due to policy enforcement (e.g., overdue fine unpaid more than 7 days).

Application:

* Ensures each update event is uniquely logged.
* Supports audit trail for member status transitions in triggers or procedures.

| CREATE SEQUENCE SEQ\_MemberUpdateID  START WITH 1000  INCREMENT BY 1  NOCACHE  NOCYCLE; |
| --- |

#### 5.5.2 views

**View 1:** Active Member Reservation View

| CREATE OR REPLACE VIEW vw\_active\_member\_reservation AS  SELECT  m.MemberID,  m.Name,  r.ReservationDate,  r.Status,  b.Title AS BookTitle  FROM Member m  JOIN Reservation r ON m.MemberID = r.MemberID  JOIN BookCopy bc ON r.BookCopyID = bc.BookCopyID  JOIN Book b ON bc.ISBN = b.ISBN  WHERE m.Status = 'Active'; |
| --- |

**View 2:** Member Fine Payment View

| CREATE OR REPLACE VIEW vw\_member\_fines\_paid AS  SELECT  m.MemberID,  m.Name,  f.PaymentDate,  f.Amount  FROM Member m  JOIN BorrowBook bb ON m.MemberID = bb.MemberID  JOIN Fine f ON bb.BorrowBookID = f.BorrowBookID  WHERE f.FineStatus = 'Paid'; |
| --- |

#### 5.5.3 indexes

**Index 1: On Fine Table (BorrowBookID, FineStatus)**

**Purpose:** Speeds up fine lookup by book and status when generating reports or validating paid/unpaid fines.

| CREATE INDEX idx\_fine\_borrow\_status  ON Fine(BorrowBookID, FineStatus); |
| --- |

**Index 2: On Member Table (Status)**

**Purpose:** Improves performance when filtering or validating members by status (e.g., 'Active', 'Inactive'), especially in procedures and triggers.

| CREATE INDEX idx\_member\_status  ON Member(Status); |
| --- |

#### 5.5.4 output formatting

**Query 1 : Active members with multiple collected reservations**

| SET PAGESIZE 100  SET LINESIZE 120  COLUMN MemberID FORMAT A10  COLUMN Name FORMAT A25  COLUMN ReservationDate FORMAT A15  COLUMN Status FORMAT A12  COLUMN BookTitle FORMAT A40  TTITLE 'Active Member Reservation Report'  BREAK ON MemberID SKIP 1 |
| --- |

**Query 2 : Total fines paid by active members**

| SET PAGESIZE 100  SET LINESIZE 100  COLUMN MemberID FORMAT A10  COLUMN Name FORMAT A20  COLUMN PaymentDate FORMAT A15  COLUMN Amount FORMAT $999.99  TTITLE 'Member Fine Payment Summary'  BREAK ON MemberID SKIP 1  COMPUTE SUM LABEL 'Total Paid' OF Amount ON REPORT |
| --- |

#### 5.5.5 exceptions

**1. RAISE\_APPLICATION\_ERROR**

Used in the procedure to update member status based on inactivity:

| IF v\_inactive\_days > 365 THEN  RAISE\_APPLICATION\_ERROR(-20010, 'Member inactive for over a year. Please contact administrator.');  END IF; |
| --- |

**2. Default Exception Handling**

Used to catch general PL/SQL runtime issues and display meaningful output:

| EXCEPTION  WHEN OTHERS THEN  DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM); |
| --- |