

Table Creation and Data insert:

1. Member Table creation and insert data:

Table Creation:

```
CREATE TABLE Member (  
    CustomerID INT PRIMARY KEY,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    Email VARCHAR(100),  
    Phone VARCHAR(15)  
);
```

Insert Data:

```
INSERT ALL  
INTO member VALUES (22, 'Olivia', 'Taylor', 'olivia.t@email.com', '111-222-3334')  
INTO member VALUES (23, 'Daniel', 'Wilson', 'daniel.w@email.com', '444-555-6667')  
INTO member VALUES (24, 'Sophie', 'Brown', 'sophie.b@email.com', '777-888-9998')  
INTO member VALUES (25, 'Matthew', 'Martinez', 'matthew.m@email.com', '333-666-9997')  
INTO member VALUES (26, 'Grace', 'Jones', 'grace.j@email.com', '111-555-9998')  
INTO member VALUES (27, 'Logan', 'Hill', 'logan.h@email.com', '222-333-4445')  
INTO member VALUES (28, 'Ava', 'Morgan', 'ava.m@email.com', '888-777-6667')  
INTO member VALUES (29, 'William', 'Harrison', 'william.h@email.com', '999-888-7779')  
INTO member VALUES (30, 'Zoe', 'Baker', 'zoe.b@email.com', '555-444-3335')  
INTO member VALUES (31, 'Ethan', 'Fisher', 'ethan.f@email.com', '666-444-2223')  
SELECT * FROM dual;
```

2. Books Table creation and insert data:

Table Creation:

```
CREATE TABLE Books (  
    BookID INT PRIMARY KEY,  
    Title VARCHAR(100),  
    Author VARCHAR(100),  
    AvailableCopies INT  
);
```

Insert Data:

```
INSERT ALL
INTO Books VALUES (101, 'The Great Gatsby', 'F. Scott Fitzgerald', 3)
INTO Books VALUES (102, 'To Kill a Mockingbird', 'Harper Lee', 2)
INTO Books VALUES (103, '1984', 'George Orwell', 5)
INTO Books VALUES (104, 'Pride and Prejudice', 'Jane Austen', 4)
INTO Books VALUES (105, 'The Catcher in the Rye', 'J.D. Salinger', 3)
INTO Books VALUES (106, 'The Hobbit', 'J.R.R. Tolkien', 2)
INTO Books VALUES (107, 'The Lord of the Rings', 'J.R.R. Tolkien', 1)
INTO Books VALUES (108, 'The Da Vinci Code', 'Dan Brown', 4)
INTO Books VALUES (109, 'Harry Potter and the Sorcerer's Stone', 'J.K. Rowling', 3)
INTO Books VALUES (110, 'The Shining', 'Stephen King', 4)
SELECT * FROM dual;
```

3.Borrowings Table creation and insert data:

Table Creation:

```
CREATE TABLE Borrowings (
  BorrowingID INT PRIMARY KEY,
  CustomerID INT,
  BookID INT,
  BorrowDate DATE,
  ReturnDate DATE,
  FOREIGN KEY (CustomerID) REFERENCES Member(CustomerID),
  FOREIGN KEY (BookID) REFERENCES Books(BookID)
);
```

Insert Data:

```
INSERT ALL
INTO Borrowings VALUES (3, 22, 101, TO_DATE('2024-01-12', 'YYYY-MM-DD'),
TO_DATE('2024-01-25', 'YYYY-MM-DD'))
INTO Borrowings VALUES (4, 23, 102, TO_DATE('2024-01-15', 'YYYY-MM-DD'),
TO_DATE('2024-01-28', 'YYYY-MM-DD'))
INTO Borrowings VALUES (5, 24, 103, TO_DATE('2024-01-20', 'YYYY-MM-DD'),
NULL) -- Not returned yet
INTO Borrowings VALUES (6, 25, 104, TO_DATE('2024-01-22', 'YYYY-MM-DD'),
NULL) -- Not returned yet
```

```
INTO Borrowings VALUES (7, 26, 105, TO_DATE('2024-01-25', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
INTO Borrowings VALUES (8, 27, 106, TO_DATE('2024-01-28', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
INTO Borrowings VALUES (9, 28, 107, TO_DATE('2024-01-30', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
INTO Borrowings VALUES (10, 29, 108, TO_DATE('2024-02-02', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
INTO Borrowings VALUES (11, 30, 109, TO_DATE('2024-02-05', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
INTO Borrowings VALUES (12, 31, 110, TO_DATE('2024-02-08', 'YYYY-MM-DD'),  
NULL) -- Not returned yet  
SELECT * FROM dual;
```