

Sumedh ahire
FYMCA-B 03
BATCH 1
ASSIGNMENT 1

CODE:

```
CREATE TABLE Book (  
  BookID INT PRIMARY KEY AUTO_INCREMENT,  
  Title VARCHAR(255) NOT NULL,  
  AuthorID INT,  
  ISBN VARCHAR(13),  
  PublicationYear INT,  
  FOREIGN KEY (AuthorID) REFERENCES Author(AuthorID)  
);
```

```
CREATE TABLE Author (  
  AuthorID INT PRIMARY KEY AUTO_INCREMENT,  
  Name VARCHAR(255) NOT NULL  
);
```

```
CREATE TABLE Member (  
  MemberID INT PRIMARY KEY AUTO_INCREMENT,  
  Name VARCHAR(255) NOT NULL,  
  Address VARCHAR(255),  
  PhoneNumber VARCHAR(20),  
  Email VARCHAR(255)  
);
```

```
CREATE TABLE Loan (  
  LoanID INT PRIMARY KEY AUTO_INCREMENT,  
  BookID INT NOT NULL,  
  MemberID INT NOT NULL,  
  LoanDate DATE NOT NULL,  
  ReturnDate DATE,  
  FOREIGN KEY (BookID) REFERENCES Book(BookID),  
  FOREIGN KEY (MemberID) REFERENCES Member(MemberID)  
);
```

```
SELECT b.Title, a.Name, m.Name AS BorrowerName  
FROM Book b  
INNER JOIN Author a ON b.AuthorID = a.AuthorID  
INNER JOIN Loan l ON b.BookID = l.BookID  
INNER JOIN Member m ON l.MemberID = m.MemberID  
WHERE l.ReturnDate IS NULL;
```

OUTPUT:

Title	Name	BorrowerName
The Lord of the Rings	J.R.R. Tolkien	Jane Doe