

Preliminary Relationship Schema for a database managing book inventory, borrowed books and membership for the library.

- **Book:**
  - ISBN (Primary Key)
  - Title
  - Author
  - Genre
  - Publisher
  - Year Published
  - Copies Available
- **Member:**
  - MemberID (Primary Key)
  - Name
  - Address
  - Phone Number
  - Email
- **Borrowing:**
  - BorrowID (Primary Key)
  - MemberID (Foreign Key)
  - ISBN (Foreign Key)
  - Borrow Date
  - Due Date
  - Return Date

**Functional Dependencies:**

- **Book:**
  - ISBN  $\rightarrow$  Title, Author, Genre, Publisher, Year Published, Copies Available
- **Member:**
  - MemberID  $\rightarrow$  Name, Address, Phone Number, Email
- **Borrowing:**
  - BorrowID  $\rightarrow$  MemberID, ISBN, Borrow Date, Due Date, Return Date