**RELATIONAL SCHEMA FOR LIBRARY DATABASE**

**BOOK**

* **BookID** (PK)
* **AuthorID** (FK → Author)
* BookTitle
* ISBN
* Genre

**BRANCHES**

* **BranchID** (PK)
* BranchName
* Phone
* BranchAddress

**BOOKALLOCATION**

* **BookID** (FK → BOOK)
* **BranchID** (FK → BRANCHES)
* Quantity

**AUTHOR**

* **AuthorID** (PK)
* FirstName
* LastName

**MEMBERS**

* **MembersID** (PK)
* FirstName
* LastName
* Email
* Phone
* MembersAddress

**LOAN**

* **LoanID** (PK)
* **BookID** (FK → BOOK)
* **MembersID** (FK → MEMBERS)
* LoanDate
* ReturnDate

**STAFF**

* **StaffID** (PK)
* **BranchID** (FK → BRANCHES)
* StaffNAme
* StaffSurname

**RELATIONSHIPS**

* One **Author** can author many **books**.
* One **Member** can borrow many **books**.
* One **Loan** links one customer to one **book**.
* Many **Books** can be found in many **branches**.
* Many **Staff** work at one **branch**.
* One **Branch** has many **books.**