





Constraints

- Books table has PRIMARY KEY of **book_id**
- Authors table has PRIMARY KEY of **book_id**
- Library_branch table has PRIMARY KEY of **branch_id** and unique **branch_name**
- Book_copy table has PRIMARY KEY of **copy_id** and FOREIGN KEY of **branch_id** that refers to Library_branch table
- Loan_type table has PRIMARY KEY of **borrower_type** and **book_type**
- Borrower table has PRIMARY KEY of **borrower_id** and FOREIGN KEY of **borrower_type** which refers to Loan_type
- Loan table has PRIMARY KEY of **loan_id** and FOREIGN KEY of **copy_id**, **branch_id**, **borrower_id** which refers to Book_copy, Library_branch, and Borrower
- Online_System table has PRIMARY KEY of **os_username** which is the borrower_id