

Library Management System

Problem Statement

Create queries using SQL set operators to manage and retrieve data from the library's database. The queries should retrieve lists of books that meet various criteria using UNION, INTERSECT, and EXCEPT set operators.

Requirements:

Database Schema:

- **Table: AvailableBooks**
 - BookID (INT, Primary Key, Auto Increment)
 - Title (VARCHAR(255))
 - Author (VARCHAR(255))
 - Genre (VARCHAR(100))
 - LibraryBranch (VARCHAR(100))
- **Table: BorrowedBooks**
 - BookID (INT, Primary Key, Auto Increment)
 - Title (VARCHAR(255))
 - Author (VARCHAR(255))
 - Genre (VARCHAR(100))
 - LibraryBranch (VARCHAR(100))
 - BorrowerName (VARCHAR(255))

SQL Set Operators:

1. **UNION:** Retrieve a list of all books (both available and borrowed) without duplicates.
2. **INTERSECT:** Retrieve a list of books that are both available and borrowed (if applicable).
3. **EXCEPT:** Retrieve a list of books that are available but not borrowed.