-- Find the names of all members who have not borrowed any books

SELECT Name

FROM Members

WHERE MemberID NOT IN (SELECT DISTINCT MemberID FROM Loans);

--Find all books written by authors whose name starts with 'J':

SELECT Title

FROM Books

WHERE AuthorID IN (SELECT AuthorID FROM Authors WHERE Name LIKE 'J%');

--Find the names of all members who have borrowed books:

SELECT Name

FROM Members

WHERE MemberID IN (SELECT DISTINCT MemberID FROM Loans);

--Find the titles of books that are not currently available:

SELECT Title

FROM Books

WHERE Available = 'false';

--Find the names of all members who have borrowed books written by 'Agatha Christie':

SELECT Name

FROM Members

WHERE MemberID IN (SELECT DISTINCT MemberID FROM Loans WHERE BookID IN (SELECT BookID FROM Books WHERE AuthorID = (SELECT AuthorID FROM Authors WHERE Name = 'Agatha Christie')));

--Find the names of all members who have borrowed books in the 'Mystery' genre:

SELECT Name

FROM Members

WHERE MemberID IN (SELECT DISTINCT MemberID FROM Loans WHERE BookID IN (SELECT BookID FROM Books WHERE GenreID = (SELECT GenreID FROM Genres WHERE Name = 'Mystery')));

--Find the titles of books borrowed by members whose name starts with 'A':

SELECT Title

FROM Books

WHERE BookID IN (SELECT BookID FROM Loans WHERE MemberID IN (SELECT MemberID FROM Members WHERE Name LIKE 'A%'));

--Find the names of all members who have borrowed more than one book:

SELECT Name

FROM Members

WHERE MemberID IN (SELECT MemberID FROM Loans GROUP BY MemberID HAVING COUNT(LoanID) > 1);

--Find the names of all authors who have written books in the 'Classic' genre:

SELECT Name

FROM Authors

WHERE AuthorID IN (SELECT DISTINCT AuthorID FROM Books WHERE GenreID = (SELECT GenreID FROM Genres WHERE Name = 'Classic'));

--Find the titles of books borrowed by members aged 20 or younger:

SELECT Title

FROM Books

WHERE BookID IN (SELECT BookID FROM Loans WHERE MemberID IN (SELECT MemberID FROM Members WHERE Age <= 20));

--Find the names of all members who have not borrowed any books:

SELECT Name

FROM Members

WHERE MemberID NOT IN (SELECT DISTINCT MemberID FROM Loans);