

DBMS LAB INTERNAL

SET - I

Table: Books

BookID	Title	AuthorID	PublicationYear	Genre
1	To Kill a Mockingbird	1	1960	Fiction
2	sherlockholmes	2	1949	Fiction
3	The Great Gatsby	3	1925	Classics
4	The Hobbit	4	1937	Fantasy
5	Pride and Prejudice	5	1813	Romance

Table: Authors

AuthorID	AuthorName	Nationality	BirthYear	Gender
1	Harper Lee	American	1926	Female
2	George Orwell	British	1903	Male
3	F. Scott Fitzgerald	American	1896	Male
4	J.R.R. Tolkien	British	1892	Male
5	Jane Austen	British	1775	Female

Table: Libraries

LibraryID	LibraryName	Location	Capacity	Hours
1	Central Library	New York	1000	9 AM - 9 PM
2	City Public Library	London	800	10 AM - 8 PM
3	National Library	Paris	1200	8 AM - 10 PM
4	Community Library	Sydney	600	10 AM - 7 PM
5	County Library	Los Angeles	1500	8 AM - 9 PM

Table: LibraryBooks

LibraryID	BookID
1	1
1	3
2	1
3	2
4	4
5	5

In the LibraryBooks table, each row represents a book available in a specific library. The LibraryID column in the LibraryBooks table is a foreign key referencing the LibraryID column in the Libraries table. The BookID column is a foreign key referencing the BookID column in the Books table.

- Question:** What is the title of the text book, authored by a female author and published before the year 1950?
- Question:** What are the names of the authors whose books are available in the "Central Library"?

3. **Question:** Which library has the Third highest book capacity? (Display library name)
4. **Question:** What are the publication year of books in the "City Public Library"?
5. **Question:** How many books are there in each genre? (Display genre and books count)
6. **Question:** Display the titles of the text books authored by the authors with date of birth between 1900 -1950 ?
7. **Question:** Which author has the oldest published book?
8. **Question:** How many books (with year of publication >1950) are available in each library, sorted in descending order of book count?