

SWE 3/2- 2019; DBMS Lab exam:2; Marks: 20; Time: 90 minutes

Q. Read the scenario carefully and also observe the given partial relational schema.

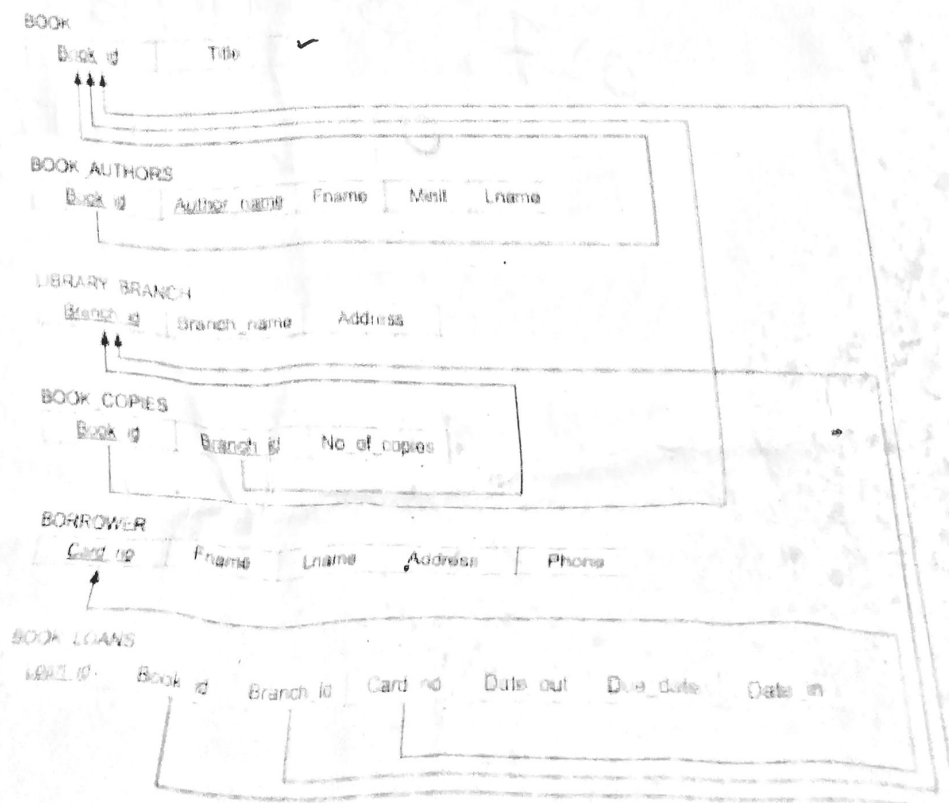
Now answer the following query.

A library is a collection of organized information and resources which is made accessible to a well-defined community for borrowing or reference sake. The collection of the resources and information are provided in digital or physical format in either a building room or in a virtual space or even both. Library's resources and collections may include newspapers, books, films, prints, maps, CDs, tapes, videotapes, microform, database etc. The main aim of this system is to develop a new programmed system that will conveying ever lasting solution to the manual base operations and to make available a channel through which staff can maintain the record easily and customers can access the information about the library at whatever place they might find themselves.

Library Management System allows the user to store the book details and the customer details. The system is strong enough to withstand regressive yearly operations under conditions where the database is maintained and cleared over a certain time of span. The implementation of the system in the organization will considerably reduce data entry, time and also provide readily calculated reports.

### Entities

- BRANCH
- EMPLOYEE
- CUSTOMER
- ISSUE STATUS
- RETURN STATUS
- BOOKS



- Query 1. Display the customer name who took the book of type comedy.
- Query 2. Display issue id, issued customer name whose isbn book number is 1004.
- ✓ Query 3. Display all content in issue status table where isbn book of issue table and return table are equal.
- ✓ Query 4. Add a column called book type in customer table.
- ✓ Query 5. Write the query to create table customer.
- ✓ Query 6. Write the query to create table issue status.
- ✓ Query 7. Update the borrower address with borrowed book isbn is 1004.
- ✓ Query 8. Delete all books of branch Sylhet.
- Query 9. Show the list of all books borrowed by Abdul Hakim.
- ✓ Query 10. Insert a new employee into the Dhaka branch using store procedure.