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Sub: DBMS

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Expt. no. 01 - construct an ER diagram for the assigned application.

Problem Statement :

construct an ER diagram for a library management system that consists of strong entities which are Librarian, student, book and 1 weak entity which is granter. Entity librarian has attributes name (composite attribute), id (primary key), address, phone number (multi-valued).

Entity student has attribute name, Roll No. and branch (primary key). The weak entity granter has attributes phone no. (multivalued), id-no name and address.

The entity book has attributes ISBN No. (primary key), Book name, author name (multi-valued)

Relationship between student and book is to issue/return. Relationship between librarian and student is to record information regarding students. Relationship between librarian and book is to manage the record of books. Relation between granter and student is to grantee the book if not return on time.

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