**Case study on Library system**

***Case study:***

There is library in college. The library contains one a more than one books. Each book is only in single library. There is no such library in which there does not exist any book. There is no such book that doesnot exist in library. For library location,start time,and end time is required to be stored.

A book is either an IT related book, Management related book or Humanities related book. For IT related books: Tools supported is required to be stored. For Management related books: Organizational Cased Studies is required to be stored. For Humanities related books: Art type is required to be stored.

For a book, bookno, title, authors, Publisher and edition are required to be stored.

A student may get one or more than on book. A book is issued to only one student at a time. There may be some students who donot get books to be issued there are some books which are not issued to any student.

For student: student name , student ID,contact and discipline library card no is required to be stored.

A student can be of graduation level or of the undergraduate level.

There are employees in library. An employee may get more or more than one book issued. A book is issued to only one employee at a time. There may be some employees who donot get books to be issued. There is no such book which doesnot exist in library. There are some books which are not issued to any employee. For an employee, employee’s id, employee name and employee’s address is required.

An employee may be on weekly or monthly basis. For employee on weekly basis, weekly pat is required. For employee on monthly basis, pay rate is required.

We need to save issue date, due date and fine amount for books which are issued to employees and students.