Assignment-1

1. We have to develop a basic database along with a few relations and at last, we will populating some data in it. Here, we are considering the basic Library Management Systems.

**Tables**

We have four tables

* BookCategory( BOOKCATEGORYID, BOOKCATEGORYNAME)
* Book (Bookid int primary key,Bookname varchar(10),Authorid int,Publisher varchar(10), Branchid int);
* Student (Uid varchar(10) primary key,Name varchar(10),Address varchar(10),Branchid varchar(10),Sem varchar(5));
* BookBorrow (Uid varchar(10),Bookid int,Borrowed\_Date varchar(10));

1. Fetch Student’s id, name along with book id and book borrow id (student name with book id borrowed by the student).
2. Fetch Book name with their Category.
3. Fetch student name, book name and book borrow id (the books borrowed by the student)
4. Fetch student name, book name, book category and book borrow id (the books with their category name, borrowed by the student).
5. Count of books borrowed by student id
6. Fetch book count against each book category
7. Fetch students name with their book borrows count.
8. Fetch Student id who has borrowed at least 1 book
9. Fetch book’s categories list containing more than 1 books
10. Fetch student who has not borrowed any book(using not exists)
11. Fetch student borrow book in different Category Count
12. Fetch Student borrowed book in more than 1 categories
13. Fetch Student borrow book in different Category Name concatenated