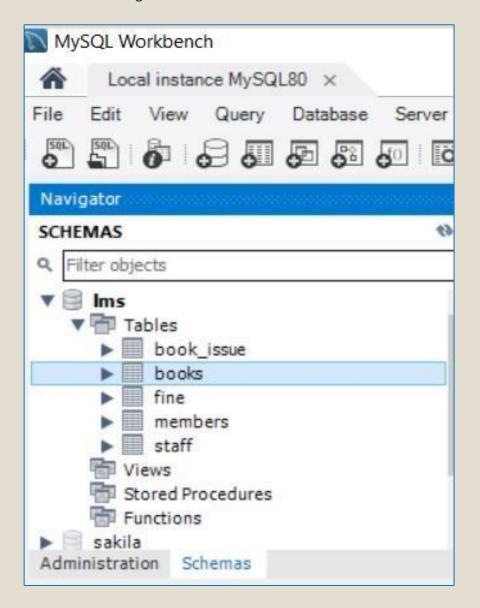
# SQL ASSIGNMENT

LIBRARY MANAGEMENT SYSTEM

## **Library Management System**

Library Management System is intended to Automat the library activities such as creating a new member, giving books to the members, maintaining the details of available books. This also helps the librarians by providing information such as total copies available each book, list of books that belong to a particular category, books taken by members, the date on which they took that particular book, expected date of return, late due fees, membership details etc.

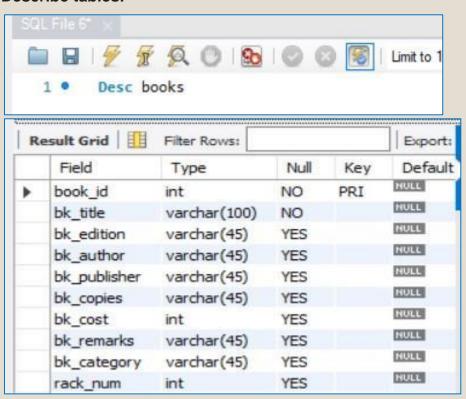
Created Schema Ims with the following tables

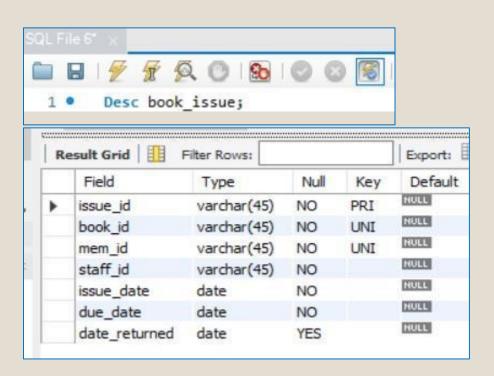


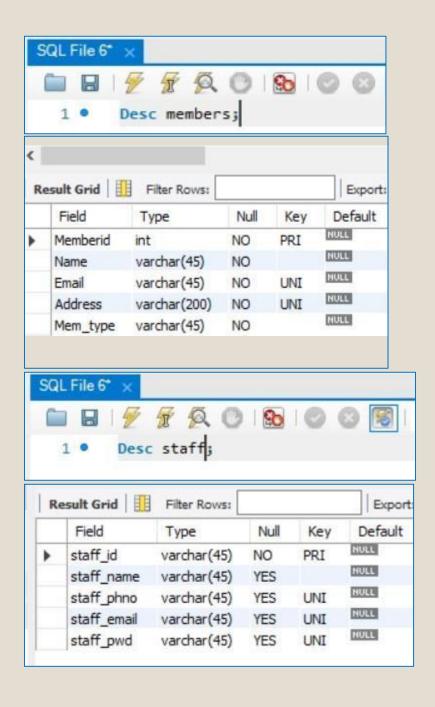
#### **Tables**

#### Information Information Table: books Table: members Columns: Columns: book id int PK Memberid int PK bk\_title varchar(100) Name varchar(45) bk\_edition varchar(45) Email varchar(45) bk\_author varchar(45) Address varchar(200) bk\_publisher varchar(45) Mem\_type varchar(45) bk\_copies varchar(45) bk cost int bk\_remarks varchar(45) bk category varchar(45) rack\_num Information Information Table: book\_issue Table: staff Columns: Columns: issue\_id varchar(45) PK staff\_id varchar(45) PK book id varchar(45) staff\_name varchar(45) varchar(45) bk\_title staff\_phno varchar(45) varchar(45) mem\_id staff\_email varchar(45) staff\_id varchar(45) staff pwd varchar(45) date issue\_date due date date date returned date Information Table: fine Columns: Member\_id int fineamount int

#### **Describe tables:**

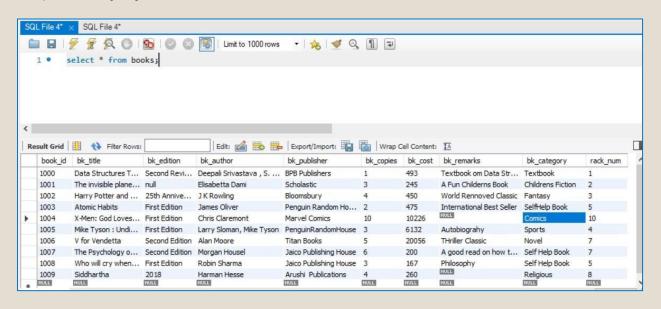




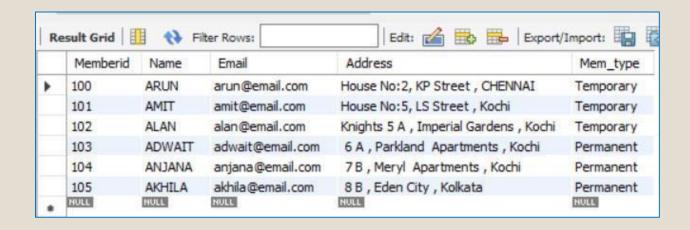


## Queries

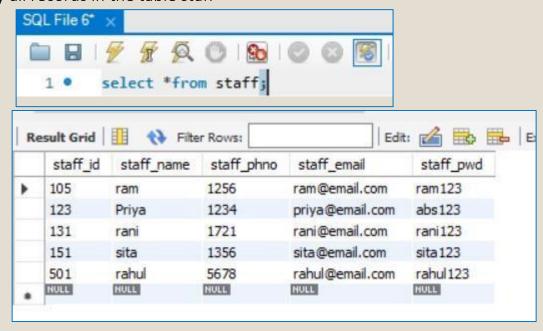
i) Display all records in the table books



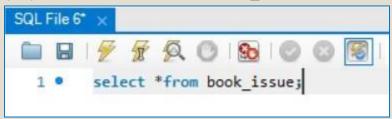
#### Display all records in the table members

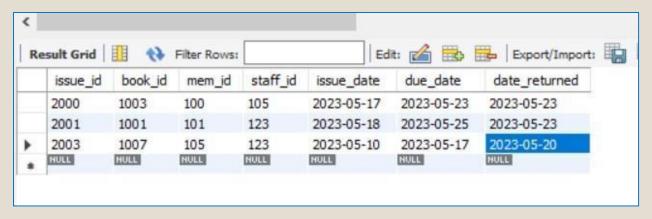


### iii)Display all records in the table staff

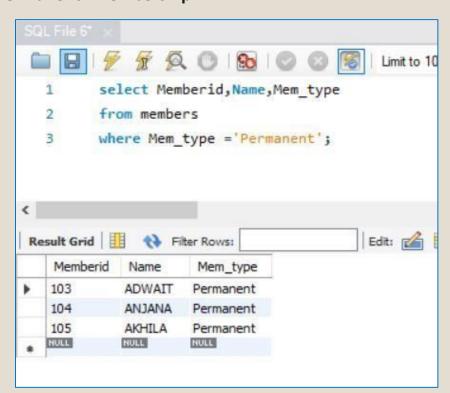


iv) Display all records in the table book\_issue





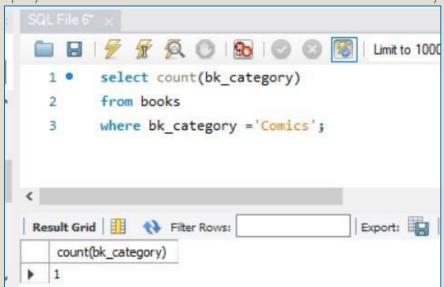
v) Display the memberid, name and mem\_type of members having "Permanent" membership.



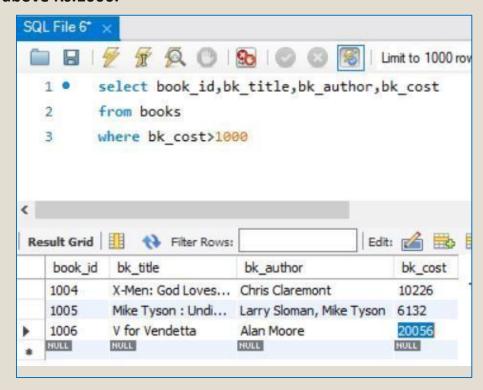
vi) Display the book \_id, title and author of the books whose author name begins with 'A'



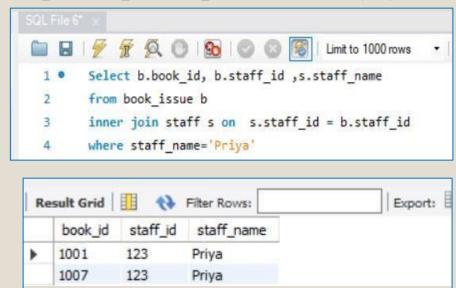
vii) Display the total number of Comics books available in library



viii) Display the book \_id, title and author of the books whose price is above Rs.1000.

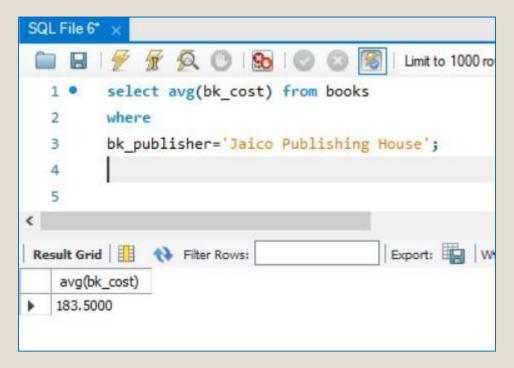


ix) the book\_id and staff\_id and staff\_name of books issued by Priya



x) Calculate the average price of books published by Jaico Publishing

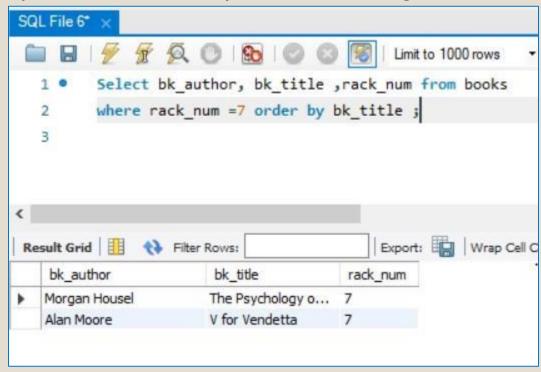
#### House



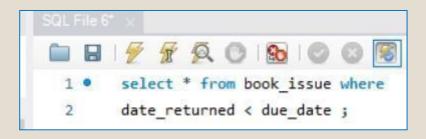
By ankit patil

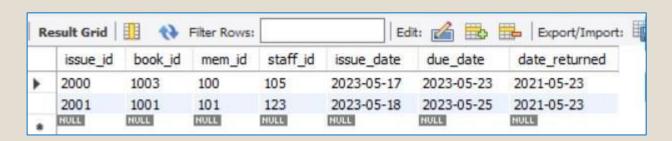
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xi) the book author, book title and rack number of the books which are placed in rack 7 and sort by book title in ascending order.



xii) Display the details from book\_issue for those members who have returned the books before the due date.

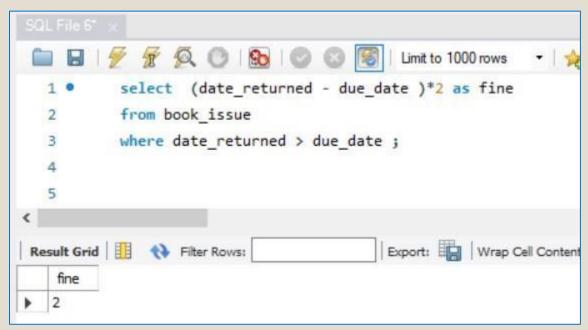




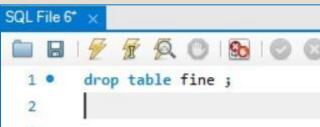
By ankit patil

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xiii) fine incurred by the member whose date\_returned has passed due date where fine for each day is Rs 2



xiv) Delete table fine



By ankit patil