**Topic : Library Management System**

You are going to build a project based on Library Management System. It keeps track of all information about books in the library, their cost, status and total number of books available in the library.  
  
Create a database named library and following TABLES in the database:   
  
1. Branch   
2. Employee   
3. Books  
4. Customer  
5. IssueStatus  
6. ReturnStatus   
  
Attributes for the tables:   
  
1. Branch

* Branch\_no - Set as PRIMARY KEY
* Manager\_Id
* Branch\_address
* Contact\_no

2. Employee

* Emp\_Id – Set as PRIMARY KEY
* Emp\_name
* Position
* Salary
* Branch\_no - Set as FOREIGN KEY and it refer Branch\_no in Branch table

3. Books

* ISBN - Set as PRIMARY KEY
* Book\_title
* Category
* Rental\_Price
* Status [Give yes if book available and no if book not available]
* Author
* Publisher

4. Customer

* Customer\_Id - Set as PRIMARY KEY
* Customer\_name
* Customer\_address
* Reg\_date

5. IssueStatus

* Issue\_Id - Set as PRIMARY KEY
* Issued\_cust – Set as FOREIGN KEY and it refer customer\_id in CUSTOMER table  Issued\_book\_name
* Issue\_date
* Isbn\_book – Set as FOREIGN KEY and it should refer isbn in BOOKS table

6. ReturnStatus

* Return\_Id - Set as PRIMARY KEY
* Return\_cust
* Return\_book\_name
* Return\_date
* Isbn\_book2 - Set as FOREIGN KEY and it should refer isbn in BOOKS table

**Display all the tables and Write the queries for the following :**

create database Library;

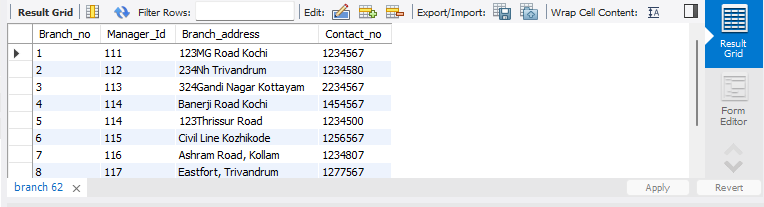
use Library;

create table Branch(Branch\_no int PRIMARY KEY,

Manager\_Id int,

Branch\_address varchar(30),

Contact\_no bigint);



create table Employee(Emp\_Id int PRIMARY KEY,

Emp\_name varchar(20),

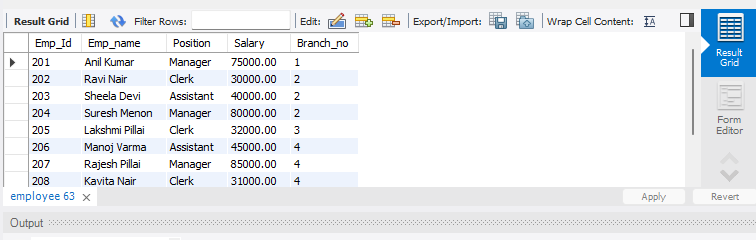
Position varchar(20),

Salary decimal(10,2),

Branch\_no int,

foreign key (Branch\_no) references Branch(Branch\_no)

);



create table Books(ISBN int PRIMARY KEY,

Book\_title varchar(50),

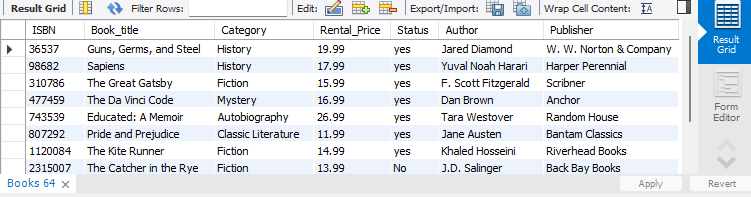
Category varchar(20),

Rental\_Price float,

Status varchar(3) ,

Author varchar(30),

Publisher varchar(30));

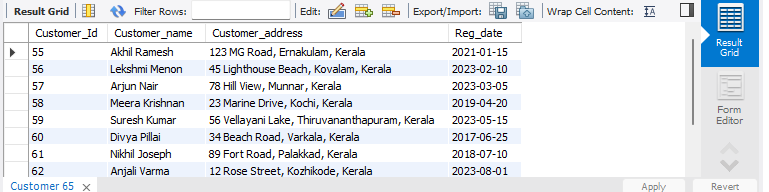


create table Customer(Customer\_Id int PRIMARY KEY,

Customer\_name varchar(30),

Customer\_address varchar(50),

Reg\_date date);



create table IssueStatus(Issue\_Id int PRIMARY KEY ,

Issued\_cust int,

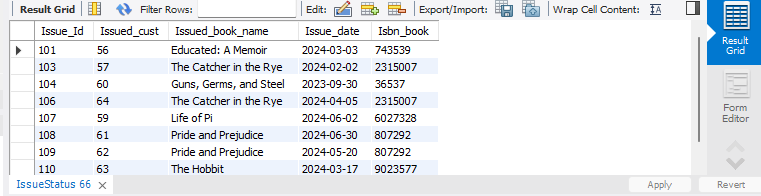
Issued\_book\_name varchar(30),

Issue\_date date,

Isbn\_book int,

FOREIGN KEY(Issued\_cust) references Customer (Customer\_id),

FOREIGN KEY (Isbn\_book) references books (ISBN));



create table ReturnStatus(Return\_Id int PRIMARY KEY,

Return\_cust varchar(20),

Return\_book\_name varchar(30),

Return\_date date,

Isbn\_book2 int,

FOREIGN KEY (Isbn\_book2) references books(isbn));

