create database Library;

use Library;

create table Branchs( Branch\_no int auto\_increment primary key,

Manage\_ID int,Address varchar

(200), Contact\_no int);

insert into Branchs(Manage\_ID,Address,Contact\_no)

values(1,'Dubai-public',05588789),

(2,'Al Tawar',023659),

(5,'Al mamzar beach',012356),

(4,'Al mankhool',056148),

(6,'Al rashidiya',05698745),

(7,'DWC knowledge',4569325),

(8,'UMM suquien',6347895),

(9,'House of wisdom',3156400),

(10,'Khalifa park library',5632470),

(1,'Al Oqoud',2300456);

select\*from Branchs;

create table Employe(Customer\_Id int auto\_increment primary key,

Customer\_name varchar(100),

Customer\_address varchar(200),

Reg\_date date);

drop table Employe;

create table Employe(

Emp\_Id int auto\_increment primary key,

Emp\_name varchar(50),

Position\_area varchar(50),

Salary decimal(10,3),

Branch\_no int,foreign key (Branch\_no) references Branch(Branch\_no));

insert into Employe( Emp\_name,

Position\_area ,

Salary ,

Branch\_no)

values

('Basheer-Uv','Manager',75000,1),

('Maimoona\_nazar','Asst\_Manager',55000,2),

('Sijas s','Branch Manager',45000,3),

('Arunjith','Librarian',45000,4),

('Luca','Childrens\_librarian',52000,5),

('Faizal','Teeans\_manager',65000,6),

('Aslam','Branch\_coordinator',360000,7),

('Kiran','Classsic\_librarian',96000,8),

('Jaffer','Branch\_manager',450000,9),

('Sajna','Librarian',25000,10);

select\*from Employe;

create table Books(

ISBN int primary key,

Book\_title varchar(250) not null,

Category varchar(50),

Rental\_Price decimal(10,2),

Status enum('yes','no') default 'yes',

Author varchar(100),

Publisher varchar (255) );

alter table Books modify ISBN varchar(255);

insert into Books(ISBN,Book\_title,Category,Rental\_Price,Status,Author,Publisher)

values

('789-456-321','The Grass is Always Greener', 'Modern Times',10,'yes', 'Jeffrey Archer','Alyson Books'),

('1-86092-012-8','Murder','Crime',5.5,'no','Arnold Bennett (1867-1931)','DC Books'),

(' 1-86092-006-3','An Occurrence at Owl Creek Bridge One of the Missing','Adventure',6.5,'yes','Ambrose Bierce','Apress'),

('1-86092-022-5','A Boy at Seven','Classic',7,'no','A. E. Coppard','Apress'),

('1-86092-025-x',' The Open Boat','Classic',5,'yes','A. E. Coppard','Baker Publishing Group'),

(' 1-86092-031-4','The Five Orange Pips','Crime',10,'no','Arthur Conan Doyle','Baker Publishing Group'),

('1-86092-014-4','The Hostage',' Adventure',8,'yes','C. S. Forester','DC Books'),

(' 1-86092-050-0',' The Dancing Partner: Clocks','Comedy',5,'yes','Jerome K. Jerome','DC Books'),

(' 1-86092-007-1','The Rocking-Horse Winner','Classic',6,'no','D. H. Lawrence','DC Books');

desc Books;

select\* from Books;

create table Customer (Customer\_id int primary key ,

Customer\_Name varchar (250),

Customer\_Add varchar (100),

Reg\_Date date);

desc Customer;

insert into Customer(Customer\_id,Customer\_Name,Customer\_Add,Reg\_Date)

values

(151,'Malathi\_s','Al Nahda-1','2024-01-06'),

(152,'Aira Dilshad','Al Tawun','2022-1-05'),

(153,'Basheer\_s','Rolla-58','2024-02-16'),

(156,'Maimoona','Al ghurair',' 2020-09-04)'),

(157,'Sijas','Al Tawun', '2015-05-01'),

(160,'Kalyani','Terminal\_1','2024-03-15 '),

(165,'Safwan','Muwellia','2022-11-23'),

(168,'Mushaib','Ras al Qaima','2024-06-06');

select\*from Customer;

create table IssueStatus(Issue\_Id INT PRIMARY KEY,

Issued\_custid int,

Issued\_book\_name VARCHAR(255),

Issue\_date DATE,

Isbn\_book varchar (250),

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

FOREIGN KEY (Isbn\_book) REFERENCES Books(ISBN));

desc Customer;

desc IssueStatus;

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(805,151,'The Rocking-Horse Winner', '2023-12-03 ',' 1-86092-007-1');

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(806,152,' The Dancing Partner: Clocks', '2024-01-03 ',' 1-86092-050-0');

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(807,160,'The Grass is Always Greener', '2024-06-11 ','789-456-321');

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(808,156,'A Boy at Seven', '2024-05-07 ','1-86092-022-5');

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(809,157,'The Hostage','2021-12-12','1-86092-014-4');

insert into IssueStatus(Issue\_id,Issued\_custid,Issued\_book\_name,Issue\_date,Isbn\_book)

values

(810,160,'An Occurrence at Owl Creek Bridge One of the Missing','2024-11-12',' 1-86092-006-3');

select\*from IssueStatus;

create table Return\_status(Return\_Id INT PRIMARY KEY,

Return\_cust INT,

Return\_book\_name VARCHAR(255),

Return\_date DATE,

Isbn\_book2 varchar (250),

FOREIGN KEY (Return\_cust) REFERENCES Customer(Customer\_id),

FOREIGN KEY (Isbn\_book2) REFERENCES Books(ISBN));

desc Return\_status;

insert into Return\_status(Return\_Id,Return\_cust,Return\_book\_name,Return\_date,Isbn\_book2)

values

( 905,151,'The Rocking-Horse Winner', '2024-12-03 ',' 1-86092-007-1'),

(906,152,' The Dancing Partner: Clocks', '2024-02-03',' 1-86092-050-0'),

(907,160,'The Grass is Always Greener', '2024-07-11 ','789-456-321'),

(908,156,'A Boy at Seven', '2024-07-07 ','1-86092-022-5'),

(909,157,'The Hostage','2022-12-12','1-86092-014-4'),

(910,160,'An Occurrence at Owl Creek Bridge One of the Missing','2024-12-12',' 1-86092-006-3');

select\*from Return\_status;

SELECT Book\_title, Category, Rental\_Price

FROM Books

WHERE Status = 'yes';

SELECT Emp\_name, Salary

FROM Employe

ORDER BY Salary DESC;

SELECT Books.Book\_title, Customer.Customer\_Name

FROM Books

JOIN IssueStatus ON Books.ISBN = IssueStatus.Isbn\_book

JOIN Customer ON IssueStatus.Issued\_custid = Customer.Customer\_Id;

SELECT Category, COUNT(\*) AS Total\_Books

FROM Books

GROUP BY Category;

SELECT Emp\_name, Position\_area

FROM Employe

WHERE Salary > 50000;

SELECT Customer\_Name

FROM Customer

WHERE Reg\_date < '2022-01-01'

AND Customer\_id NOT IN (SELECT Issued\_custid FROM IssueStatus);

SELECT Branch\_no, COUNT(\*) AS Total\_Employs

FROM Employe

GROUP BY Branch\_no;

SELECT Customer.Customer\_Name

FROM Customer

JOIN IssueStatus ON Customer.Customer\_id = IssueStatus.Issued\_custid

WHERE Issue\_date BETWEEN '2024-06-01' AND '2024-06-30';

SELECT Book\_title

FROM Books

WHERE Book\_title LIKE '%history%';

SELECT Branch\_no, COUNT(\*) AS Total\_Employees

FROM Employe

GROUP BY Branch\_no

HAVING COUNT(\*) > 5;

SELECT e.Emp\_name, b.Address

FROM Employe e

JOIN Branchs b ON e.Emp\_Id = b.Manage\_ID;

SELECT DISTINCT Customer.Customer\_Name

FROM Customer

JOIN IssueStatus ON Customer.Customer\_Id = IssueStatus.Issued\_custid

JOIN Books ON IssueStatus.Isbn\_book = Books.ISBN

WHERE Books.Rental\_Price > 6.5;