

# Mysql Comprehensive Assessment

Topic : Library Management System

You are going to build a project based on the 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

The screenshot displays a database management interface with a 'SCHEMAS' panel on the left and a main execution area on the right. The 'SCHEMAS' panel shows a tree view with 'global\_store\_db' expanded, containing 'Tables' (inventory, orders, teacher\_log, teachers, worker), 'Views', 'Stored Procedures', and 'Functions'. The 'library' schema is also visible. The main area shows a SQL script being executed:

```

1  #Create a database named library and following TABLES in the database:
2  • create database library;
3  • use library;
4  • create table Branch (
5      Branch_no int auto_increment PRIMARY KEY,
6      Manager_Id int,
7      Branch_address varchar(35),
8      Contact_no int
9  );
10 • describe Branch;

```

Below the script, the 'Result Grid' shows the structure of the 'Branch' table:

Field	Type	Null	Key	Default	Extra
Branch_no	int	NO	PRI	<a href="#">NULL</a>	auto_increment
Manager_Id	int	YES		<a href="#">NULL</a>	
Branch_address	varchar(35)	YES		<a href="#">NULL</a>	
Contact_no	int	YES		<a href="#">NULL</a>	

The 'Action Output' panel shows the execution results:

#	Time	Action	Message
5	21:54:13	create table Branch ( Branch_no int auto_increment PRIMARY KEY, Manager_Id int, Branch_address varchar...	0 row(s) affected
6	21:54:30	describe Branch	4 row(s) returned

## 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

```
12 • create table Employee(  
13     Emp_Id int auto_increment PRIMARY KEY,  
14     Emp_name varchar(25),  
15     Position varchar(25),  
16     Salary float,  
17     Branch_no int,  
18     FOREIGN KEY (Branch_no) REFERENCES Branch(Branch_no)  
19 );  
20 • describe Employee;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	Field	Type	Null	Key	Default	Extra
►	Emp_Id	int	NO	PRI	<a href="#">NULL</a>	auto_increment
	Emp_name	varchar(25)	YES		<a href="#">NULL</a>	
	Position	varchar(25)	YES		<a href="#">NULL</a>	
	Salary	float	YES		<a href="#">NULL</a>	
	Branch_no	int	YES	MUL	<a href="#">NULL</a>	

Result 2 x

### 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

```

21
22 • create table Books(
23     ISBN int auto_increment PRIMARY KEY,
24     Book_title varchar(50),
25     Category varchar(25),
26     Rental_Price float,
27     Status VARCHAR(3) CHECK (Status IN ('yes', 'no')),
28     Author VARCHAR(35),
29     Publisher VARCHAR(35)
30 );
31 • describe Books;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	Field	Type	Null	Key	Default	Extra
►	ISBN	int	NO	PRI	<b>NULL</b>	auto_increment
	Book_title	varchar(50)	YES		<b>NULL</b>	
	Category	varchar(25)	YES		<b>NULL</b>	
	Rental_Price	float	YES		<b>NULL</b>	
	Status	varchar(3)	YES		<b>NULL</b>	

#### 4. Customer

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

worker  
Views  
Stored Procedures  
Functions  
library  
Tables  
Views  
Stored Procedures  
Functions  
Administration Schemas  
Information

No object selected

```

31 • describe Books;
32
33 • create table Customer (
34     Customer_Id int auto_increment PRIMARY KEY,
35     Customer_name varchar(35),
36     Customer_address varchar(100),
37     Reg_date date
38 );
39 • describe Customer;

```

Field	Type	Null	Key	Default	Extra
Customer_Id	int	NO	PRI	<b>NULL</b>	auto_increment
Customer_name	varchar(35)	YES		<b>NULL</b>	
Customer_address	varchar(100)	YES		<b>NULL</b>	
Reg_date	date	YES		<b>NULL</b>	

Result 4 ×

Output

Action Output

#	Time	Action	Message
✓ 11	22:16:10	create table Customer ( Customer_Id int auto_increment PRIMARY KEY, Customer_name varchar(35), Cus...	0 row(s) affected
✓ 12	22:16:27	describe Customer	4 row(s) returned

Object Info Session

## 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

Columns  
ISBN  
Book\_title  
Category  
Rental\_Price  
Status  
Author  
Publisher  
Indexes  
Foreign Keys  
Administration Schemas  
Information

Column: ISBN  
Definition:  
ISBN int AI PK

```

40
41 • create table IssueStatus (
42     Issue_Id int auto_increment PRIMARY KEY,
43     Issued_cust int,
44     Issued_book_name varchar(30),
45     Issue_date date,
46     Isbn_book int,
47     FOREIGN KEY (Issued_cust) references CUSTOMER(customer_id),
48     FOREIGN KEY (Isbn_book) references BOOKS(ISBN )
49 );
50 • describe IssueStatus;

```

Field	Type	Null	Key	Default	Extra
Issue_Id	int	NO	PRI	<b>NULL</b>	auto_increment
Issued_cust	int	YES	MUL	<b>NULL</b>	
Issued_book_name	varchar(30)	YES		<b>NULL</b>	
Issue_date	date	YES		<b>NULL</b>	
Isbn_book	int	YES	MUL	<b>NULL</b>	

Result 5 ×

Output

Action Output

#	Time	Action	Message
✓ 15	22:26:58	create table IssueStatus ( Issue_Id int auto_increment PRIMARY KEY, Issued_cust int, Issued_book_name ...	0 row(s) affected
✓ 16	22:27:16	describe IssueStatus	5 row(s) returned

Object Info Session

## 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

The screenshot shows a database management tool interface. On the left, a tree view displays the 'customer' schema with columns (Customer\_Id, Customer\_na, Customer\_ad, Reg\_date), indexes, foreign keys, and triggers. The 'Columns' section is expanded, showing the definition for 'Customer\_Id' as an integer with an auto-increment and primary key.

The main area displays the SQL script for creating the 'ReturnStatus' table:

```
52 create table ReturnStatus (  
53   Return_Id int auto_increment PRIMARY KEY ,  
54   Return_cust int,  
55   Return_book_name varchar(45),  
56   Return_date date,  
57   Isbn_book2 int,  
58   FOREIGN KEY(Isbn_book2) references BOOKS(isbn),  
59   FOREIGN KEY(Return_cust) references customer(Customer_Id)  
60 );  
61 describe ReturnStatus;
```

Below the script, the 'Result Grid' shows the table structure:

Field	Type	Null	Key	Default	Extra
Return_Id	int	NO	PRI	<u>NULL</u>	auto_increment
Return_cust	int	YES	MUL	<u>NULL</u>	
Return_book_name	varchar(45)	YES		<u>NULL</u>	
Return_date	date	YES		<u>NULL</u>	
Isbn_book2	int	YES	MUL	<u>NULL</u>	

The 'Output' section shows the results of the 'describe ReturnStatus' command, indicating that 5 rows were returned.

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

1. Retrieve the book title, category, and rental price of all available books.

62

```
63 • insert into books(Book_title,Category,Rental_Price,Status,Author,Publisher) values
64 ("An autobiography","Autobiography","12","Yes","Jawahar Lal Nehru","DCbooks"),
65 ("Utopia","Travelling Story","10","No","Sir Thomas Moor","Mathrubhoomi"),
66 ("Waste Land","Travelling Story","10","Yes","T.S Eliot","Pullmattathil"),
67 ("Theeram","Story","15","Yes","Sree","Pullmattathil"),
68 ("Ente Kadha","Story","15","Yes","Madhavikutty","DCbooks")
69 ;
70 #1. Retrieve the book title, category, and rental price of all available books.
71
72 • select Book_title,Category,Rental_Price from books where Status="yes";
```

Column: **Publisher**  
Collation: utf8mb4\_0900\_ai\_ci  
Definition: Publisher varchar(35)

Result Grid

Book_title	Category	Rental_Price
An autobiography	Autobiography	12
Waste Land	Travelling Story	10
Theeram	Story	15
Ente Kadha	Story	15

books 1 x

Output

2. List the employee names and their respective salaries in descending order of salary.

```
84 • insert into employee(Emp_name,Position,Salary,Branch_no) values
85 ("Sasi","Teacher","35000","11"),
86 ("Sheela","LPST","55000","12"),
87 ("Suku","HM","85000","13"),
88 ("Mini","A.Professor","85000","14"),
89 ("Sai","UPST","45000","15");
90 • select * from employee order by Salary desc;
```

Result Grid

Emp_Id	Emp_name	Position	Salary	Branch_no
8	Suku	HM	85000	13
9	Mini	A.Professor	85000	14
7	Sheela	LPST	55000	12
10	Sai	UPST	45000	15
6	Sasi	Teacher	35000	11
*	NULL	NULL	NULL	NULL

3. Retrieve the book titles and the corresponding customers who have issued those books.

Administration Schemas

Information

Column: Customer\_name

Collation: utf8mb4\_0900\_ai\_ci

Definition: Customer\_name varchar(35)

```

117 • select * from issuestatus;
118
119 • SELECT *
120 FROM issuestatus full JOIN customer;
121
122 • SELECT i.Issued_book_name,c.Customer_name
123 FROM issuestatus i
124 left JOIN customer c ON c.Customer_Id = i.Issued_cust;
125

```

Result Grid

Issued_book_name	Customer_name
An autobiography	Meera
Theeram	Rose
Waste Land	Sree
Ente Kadha	Mini
Ente Kadha	Rose
An autobiography	Rose
Theeram	Meera

Result 37 x

```

114
115 • SELECT *
116 FROM issuestatus i
117 left JOIN customer c ON c.Customer_Id = i.Issued_cust;
118

```

Result Grid

Issue_Id	Issued_cust	Issued_book_name	Issue_date	Isbn_book	Customer_Id	Customer_name	Customer_address	Reg_date
1	16	An autobiography	2024-02-02	6	16	Meera	Meera villa	2012-06-06
2	20	Theeram	2024-02-02	9	20	Rose	Rose villa	2012-02-06
3	18	Waste Land	2024-02-12	8	18	Sree	Sreevalsam	2012-10-10
4	17	Ente Kadha	2024-12-02	10	17	Mini	Mini villa	2014-10-06
5	20	Ente Kadha	2024-12-02	7	20	Rose	Rose villa	2012-02-06

4. Display the total count of books in each category.

```

119 #4. Display the total count of books in each category.
120 • select Category,count(Category) as Tot_No from books group by Category;

```

Result Grid

Category	Tot_No
Autobiography	1
Travelling Story	2
Story	2

5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.



```

122 #5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.
123 • select Emp_Id,Emp_name,Position,Salary from employee where Salary > 50000 order by salary desc;

```

Emp_Id	Emp_name	Position	Salary
8	Suku	HM	85000
9	Mini	A.Professor	85000
7	Sheela	LPST	55000
NULL	NULL	NULL	NULL

6. List the customer names who registered before 2022-01-01 and have not issued any books yet.

```

125 #6. List the customer names who registered before 2022-01-01 and have not issued any books yet.
126
127 • select * from customer c where c.Reg_date < "2022-01-01" and (select count(*) from issuestatus d where d.Issued_cust= c.Customer_Id) =0;
128
129

```

Customer_Id	Customer_name	Customer_address	Reg_date
19	Ami	Aama villa	2017-07-08
NULL	NULL	NULL	NULL

7. Display the branch numbers and the total count of employees in each branch.

```

133
134 #7. Display the branch numbers and the total count of employees in each branch.
135
136 • SELECT b.Branch_no, COUNT(e.Emp_Id) AS total_employees
137 FROM branch b
138 LEFT JOIN employee e ON b.Branch_no = e.Branch_no
139 GROUP BY b.Branch_no;
140

```

Branch_no	total_employees
11	2
12	2
13	1
14	1
15	1

8. Display the names of customers who have issued books in the month of June 2023.

140

141 #8. Display the names of customers who have issued books in the month of June 2023.

142

143 • `insert into issuestatus(Issued_cust,Issued_book_name,Issue_date,Isbn_book) values`

144 `(20,"An autobiography","2023-06-02",6),`

145 `(16,"Theeram","2023-06-02",9),`

146 `(19,"Waste Land","2023-06-12",8);`

147

148 • `SELECT DISTINCT c.Customer_name`

149 `FROM customer c`

150 `JOIN issuestatus i ON c.Customer_Id = i.Issued_cust`

151 `WHERE MONTH(i.Issue_date) = 6 AND YEAR(i.Issue_date) = 2023;`

152

153

Result Grid

Customer_name
Meera
Ami
Rose

9. Retrieve book\_title from a book table containing history.

163

164 #History of book issueing

165 • `select b.Book_title,i.Issue_date,c.Customer_name from`

166 `books b inner join issuestatus i on b.ISBN=i.Isbn_book`

167 `left join customer c on c.Customer_Id=i.Issued_cust;`

Result Grid

Book_title	Issue_date	Customer_name
Theeram	2023-06-02	Meera
Waste Land	2023-06-12	Ami
English	2023-06-02	Rose
Maths	2023-06-02	Meera
Maths	2023-06-12	Ami

Result 5

```

155
156 #9. Retrieve book_title from a book table containing history.
157
158 • insert into books(Book_title,Category,Rental_Price,Status,Author,Publisher) values
159 ("Utopia2","History","10","No","Sir Thomas Moor","Mathrubhoomi"),
160 ("Columbus","History","10","Yes","T.S Eliot","Pullmattathil");
161
162 • select Book_title from books where Category="History";
163

```

Result Grid

Book_title
Utopia2
Columbus

Title name containing word history.

```

168
169 • select Book_title from books where Book_title like '%history%';

```

Result Grid

Book_title
History

10.Retrieve the branch numbers along with the count of employees for branches having more than 5 employees

```

165
166 • insert into employee(Emp_name,Position,Salary,Branch_no) values
167 ("Salu","Teacher","35000","11"),
168 ("Sulu","LPST","55000","11"),
169 ("Mini","HM","85000","11"),
170 ("Meera","A.Professor","85000","1"),
171 ("Chithra","UPST","45000","15");
172
173 • SELECT b.Branch_no,b.Branch_address, COUNT(e.Emp_Id) AS employee_count
174 FROM branch b
175 JOIN employee e ON b.Branch_no = e.Branch_no
176 GROUP BY b.Branch_no
177 HAVING COUNT(e.Emp_Id) > 5;
178
179 #11. Retrieve the names of employees who manage branches and their respective branch addresses.

```

Result Grid

Branch_no	Branch_address	employee_count
11	Kadalikad Jn	6

11. Retrieve the names of employees who manage branches and their respective branch addresses.

Column: Branch\_address  
Collation: utf8mb4\_0900\_ai\_ci  
Definition: Branch\_address varchar(35)

Result Grid

Emp_name	Branch_address
Sasi	Kadalkad Jn
Sheela	Janatha Library Jn
Suku	SALPS
Mini	Matha Library
Sai	Kerala
Shinny	Kadalkad Jn
Shubha	Janatha Library Jn
Salu	Kadalkad Jn
Sulu	Kadalkad Jn
Mini	Kadalkad Jn
Meera	Kadalkad Jn
Chithra	Kerala

12. Display the names of customers who have issued books with a rental price higher than Rs. 25.

Column: Customer\_name  
Collation: utf8mb4\_0900\_ai\_ci  
Definition: Customer\_name varchar(35)

Result Grid

Book_title	Customer_name
Maths	Meera
Maths	Ami
English	Rose

Score Distribution:

- 1 point for correctly formulating the query of each question (12 x 1 = 12).
  - 1 point for providing screenshots of the output for each question (12 x 1 = 12).
  - 1 point for timely submission.
- Total = 25.

PS : After completing the project upload your project with screenshots in the github and share the link.

## Queries Used

#Create a database named library and following TABLES in the database:

**create database library;**

**use library;**

**create table Branch (**

**Branch\_no int auto\_increment PRIMARY KEY,**

```
Manager_Id int,  
Branch_address varchar(35),  
Contact_no int  
);  
describe Branch;
```

```
create table Employee(  
Emp_Id int auto_increment PRIMARY KEY,  
Emp_name varchar(25),  
Position varchar(25),  
Salary float,  
Branch_no int,  
FOREIGN KEY (Branch_no) REFERENCES  
Branch(Branch_no)  
);  
describe Employee;
```

```
create table Books(  
ISBN int auto_increment PRIMARY KEY,  
Book_title varchar(50),  
Category varchar(25),  
Rental_Price float,  
Status VARCHAR(3) CHECK (Status IN ('yes', 'no')),  
Author VARCHAR(35),  
Publisher VARCHAR(35)  
);  
describe Books;
```

```
create table Customer (  
Customer_Id int auto_increment PRIMARY KEY,
```

```
Customer_name varchar(35),  
Customer_address varchar(100),  
Reg_date date  
);  
describe Customer;
```

```
create table IssueStatus (  
Issue_Id int auto_increment 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 )  
);  
describe IssueStatus;
```

```
create table ReturnStatus (  
Return_Id int auto_increment PRIMARY KEY ,  
Return_cust int,  
Return_book_name varchar(45),  
Return_date date,  
Isbn_book2 int,  
FOREIGN KEY(Isbn_book2) references BOOKS(isbn),  
FOREIGN KEY(Return_cust) references  
customer(Customer_Id)  
);  
describe ReturnStatus;
```

**insert into**

**books(Book\_title,Category,Rental\_Price,Status,Author,Publisher) values**

**("An autobiography","Autobiography","12","Yes","Jawahar Lal Nehru","DCbooks"),**

**("Utopia","Travelling Story","10","No","Sir Thomas Moor","Mathrubhoomi"),**

**("Waste Land","Travelling Story","10","Yes","T.S Eliot","Pullmattathil"),**

**("Theeram","Story","15","Yes","Sree","Pullmattathil"),**

**("Ente**

**Kadha","Story","15","Yes","Madhavikutty","DCbooks")**

**;**

**#1. Retrieve the book title, category, and rental price of all available books.**

**select Book\_title,Category,Rental\_Price from books where Status="yes";**

**#2. List the employee names and their respective salaries in descending order of salary.**

**insert into branch(Manager\_Id,Branch\_address,Contact\_no) values**

**(101,"Kadalikad Jn",1234567810),**

**(102,"Janatha Library Jn",1111111111),**

**(103,"SALPS",222222222),**

**(104,"Matha Library",333333333),**

```
("105","Kerala",444444444);  
select * from branch;  
delete from branch where Branch_no>15;  
insert into employee(Emp_name,Position,Salary,Branch_no)  
values  
("Sasi","Teacher","35000","11"),  
("Sheela","LPST","55000","12"),  
("Suku","HM","85000","13"),  
("Mini","A.Professor","85000","14"),  
("Sai","UPST","45000","15");
```

```
insert into employee(Emp_name,Position,Salary,Branch_no)  
values  
("Shinny","Teacher","35000","11"),  
("Shubha","LPST","55000","12");
```

```
select * from employee order by Salary desc;
```

**#3. Retrieve the book titles and the corresponding customers who have issued those books.**

```
describe issuestatus;  
insert into  
customer(Customer_name,Customer_address,Reg_date)  
values  
("Meera","Meera villa","2012-06-06"),  
("Mini","Mini villa","2014-10-06"),  
("Sree","Sreevalsam","2012-10-10"),  
("Ami","Aami villa","2017-07-08"),  
("Rose","Rose villa","2012-02-06");  
select * from customer;
```



```
insert into  
issuestatus(Issued_cust,Issued_book_name,Issue_date,Isbn  
_book) values  
(16,"An autobiography","2024-02-02",6),  
(20,"Theeram","2024-02-02",9),  
(18,"Waste Land","2024-02-12",8),  
(17,"Ente Kadha","2024-12-02",10),  
(20,"Ente Kadha","2024-12-02",7);
```

```
select * from issuestatus;
```

```
SELECT *  
FROM issuestatus full JOIN customer;
```

```
SELECT i.Issued_book_name,c.Customer_name  
FROM issuestatus i  
left JOIN customer c ON c.Customer_Id = i.Issued_cust;
```

**#4. Display the total count of books in each category.**

```
select Category,count(Category) as Tot_No from books group  
by Category;
```

**#5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.**

```
select Emp_Id,Emp_name,Position,Salary from employee  
where Salary > 50000 order by salary desc;
```

**#6. List the customer names who registered before 2022-01-01 and have not issued any books yet.**

```
select * from customer c where c.Reg_date < "2022-01-01"  
and (select count(*) from issuestatus d where d.Issued_cust=  
c.Customer_Id) =0;
```

**#7. Display the branch numbers and the total count of employees in each branch.**

```
SELECT b.Branch_no, COUNT(e.Emp_Id) AS  
total_employees  
FROM branch b  
LEFT JOIN employee e ON b.Branch_no = e.Branch_no  
GROUP BY b.Branch_no;
```

**#8. Display the names of customers who have issued books in the month of June 2023.**

```
insert into  
issuestatus(Issued_cust,Issued_book_name,Issue_date,Isbn  
_book) values  
(20,"An autobiography","2023-06-02",6),  
(16,"Theeram","2023-06-02",9),  
(19,"Waste Land","2023-06-12",8);
```

```
SELECT DISTINCT c.Customer_name  
FROM customer c  
cross JOIN issuestatus i ON c.Customer_Id = i.Issued_cust
```

**WHERE MONTH(i.Issue\_date) = 6 AND YEAR(i.Issue\_date) = 2023;**

**#9. Retrieve book\_title from a book table containing history.**

**insert into**

**books(Book\_title,Category,Rental\_Price,Status,Author,Publisher) values**

**("Utopia2","History","10","No","Sir Thomas Moor","Mathrubhoomi"),**

**("Columbus","History","10","Yes","T.S Eliot","Pullmattathil");**

**#History of book issuing**

**select b.Book\_title,i.Issue\_date,c.Customer\_name from  
books b inner join issuestatus i on b.ISBN=i.Isbn\_book  
left join customer c on c.Customer\_Id=i.Issued\_cust;**

**select Book\_title from books where Book\_title like  
'%history%';**

**select Book\_title from books where Category="History";**

**#10.Retrieve the branch numbers along with the count of  
employees for branches having more than 5 employees**

**insert into employee(Emp\_name,Position,Salary,Branch\_no)  
values**

```
("Salu","Teacher","35000","11"),  
("Sulu","LPST","55000","11"),  
("Mini","HM","85000","11"),  
("Meera","A.Professor","85000","1"),  
("Chithra","UPST","45000","15");
```

```
SELECT b.Branch_no,b.Branch_address, COUNT(e.Emp_Id)  
AS employee_count  
FROM branch b  
JOIN employee e ON b.Branch_no = e.Branch_no  
GROUP BY b.Branch_no  
HAVING COUNT(e.Emp_Id) > 5;
```

**#11. Retrieve the names of employees who manage branches and their respective branch addresses.**

```
select e.Emp_name , b.Branch_address from employee e left  
join branch b on b.Branch_no = e.Branch_no;
```

**#12. Display the names of customers who have issued books with a rental price higher than Rs. 25.**

**insert into**

**books(Book\_title,Category,Rental\_Price,Status,Author,Publisher) values**

```
("English","Sbject","25","Yes","Jawahar Lal  
Nehru","DCbooks"),
```

```
("Maths","Subject","25","No","Sir Thomas  
Moor","Mathrubhoomi"),
```

```
("History","History","25","Yes","T.S Eliot","Pullmattathil");
```

```
insert into
issuestatus(Issued_cust,Issued_book_name,Issue_date,Isbn
_book) values
(20,"English","2023-06-02",13),
(16,"Maths","2023-06-02",14),
(19,"Maths","2023-06-12",14);
update books set Rental_Price=30 where Rental_Price=25;
SET SQL_SAFE_UPDATES = 0;
select
b.Book_title,b.Rental_Price,i.Issued_cust,c.Customer_name
from books b
left join issuestatus i on i.Isbn_book=b.ISBN
left join customer c on c.Customer_Id=i.Issued_cust where
b.Rental_Price>25 ;
select b.Book_title,c.Customer_name from books b
left join issuestatus i on i.Isbn_book=b.ISBN
left join customer c on c.Customer_Id=i.Issued_cust
where b.Rental_Price>25 and c.Customer_name is not null;
```