Library Management System

```
117     # Display all the tables and Write the queries for the following :
118 •   select * from Branch;
119 •   select * from Employee;
120 •   select * from Books;
121 •   select * from Customer;
122 •   select * from IssueStatus;
123 •   select * from ReturnStatus;
124
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell

Branch_no	Manager_Id	Branch_address	Contact_no
1	101	Kan St	12345678
2	102	Clt St	98765432
3	103	Ekm St	32165409
4	104	Alp St	45678901
5	105	Mal St	78901234
NULL	NULL	NULL	NULL

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124
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap C

Emp_Id	Emp_name	Position	Salary	Branch_no
201	Anu	Manager	50000	1
202	John	Librarian	65000	2
203	Mary	Assistant Librarian	35000	3
204	Anju	Clerk	30000	4
205	Raju	Assistant Clerk	25000	5
206	Anu jose	Manager	50000	2
207	John m	Librarian	65000	2
208	Mary l	Assistant Librarian	35000	3
NULL	NULL	NULL	NULL	NULL

```
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124
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

ISBN	Book_title	Category	Rental_Price	Status	Author	Publisher
ISBN-0061120084	Harry potter	Fiction	150	yes	J.K Rowling	Scholastic Inc
ISBN-0143039433	The game of thorne	Fantasy	212	yes	George R.R Martin	Harper
ISBN-0143127550	The Secret	History	147	yes	Donna tartt	Vintage
ISBN-0451524935	The Alchemist	Fiction	203	yes	Paulo Coelho	Harperone
ISBN-1451673319	The Great Gatsby	Fiction	356	no	F. Scott Fitzgerald	Scribner
NULL	NULL	NULL	NULL	NULL	NULL	NULL

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124
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Con

Customer_Id	Customer_name	Customer_address	Reg_date
301	Aishu	Ekm St	2023-01-15
302	Arjun	Alp St	2023-02-20
303	Rahul	Clt St	2023-03-25
304	David	Mal St	2021-04-30
305	Anju	Kan St	2023-05-05
306	Sanju	Plk St	2021-05-05
NULL	NULL	NULL	NULL

```
16
17      # Display all the tables and Write the queries for the following :
18 •    select * from Branch;
19 •    select * from Employee;
20 •    select * from Books;
21 •    select * from Customer;
22 •    select * from IssueStatus;
23 •    select * from ReturnStatus;
24
```

sult Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Conte

Issue_Id	Issued_cust	Issued_book_name	Issue_date	Isbn_book
601	301	Harry Potter	2024-06-01	ISBN-0061120084
602	302	The Alchemist	2024-05-02	ISBN-0451524935
603	303	The Great Gatsby	2024-06-03	ISBN-1451673319
604	304	The Secret	2024-03-04	ISBN-0143127550
605	305	The Game of Thrones	2024-06-05	ISBN-0143039433
NULL	NULL	NULL	NULL	NULL

```
7       # Display all the tables and Write the queries for the following :
8  •    select * from Branch;
9  •    select * from Employee;
0  •    select * from Books;
1  •    select * from Customer;
2  •    select * from IssueStatus;
3  •    select * from ReturnStatus;
4
```

ult Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Return_Id	Return_cust	Return_book_name	Return_date	Isbn_book2
701	301	Harry Potter	2024-06-15	ISBN-0061120084
702	302	The Alchemist	2024-06-20	ISBN-0451524935
703	303	The Great Gatsby	2024-06-25	ISBN-1451673319
704	304	The Secret	2024-06-30	ISBN-0143127550
705	305	The Game of Thrones	2024-07-05	ISBN-0143039433
NULL	NULL	NULL	NULL	NULL

```
126
127     #1. Retrieve the book title, category, and rental price of all available books
128 •   select book_title,category,rental_price from books where status="yes";
129
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

book_title	category	rental_price
Harry potter	Fiction	150
The game of thorne	Fantasy	212
The Secret	History	147
The Alchemist	Fiction	203

```
129
130     #2. List the employee names and their respective salaries in descending order of salary.
131 •   select emp_name, salary from employee order by Salary DESC;
132
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

emp_name	salary
John	65000
John m	65000
Anu	50000
Anu jose	50000
Mary	35000
Mary l	35000
Anju	30000
Raju	25000

```
133     #3. Retrieve the book titles and the corresponding customers who have issued those books.
134 •   select b.Book_title, c.Customer_name
135     from Books b
136     join IssueStatus i on b.ISBN = i.Isbn_book
137     join Customer c on i.Issued_cust = c.Customer_Id;
138
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Book_title	Customer_name
Harry potter	Aishu
The game of thorne	Anju
The Secret	David
The Alchemist	Arjun
The Great Gatsby	Rahul

```sql
#4. Display the total count of books in each category.
select Category, COUNT(*) as Total_Count from Books group by Category;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Category	Total_Count
Fiction	3
Fantasy	1
History	1

```sql
#5. Retrieve the employee names and their positions for the employees whose salaries are above Rs.50,000.
select emp_name,position,salary from employee where salary > 50000;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

emp_name	position	salary
John	Librarian	65000
John m	Librarian	65000

```sql
#6. List the customer names who registered before 2023-01-01 and have not issued any books yet.
select Customer_name
from Customer
where Reg_date < '2023-01-01'
and Customer_Id not in (
    select Issued_cust
    from IssueStatus
);
# or
select c.customer_id,c.customer_name,c.reg_date,i.issue_id
from customer c left join issuestatus i
on c.customer_id=i.issued_cust
where c.reg_date < '2023-01-01' and i.issue_id is null;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

customer_id	customer_name	reg_date	issue_id
306	Sanju	2021-05-05	NULL

```sql
#7. Display the branch numbers and the total count of employees in each branch.
select Branch_no, COUNT(*) as Total_Employees
from Employee
group by Branch_no;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Branch_no	Total_Employees
1	1
2	3
3	2
4	1
5	1

```sql
#8. Display the names of customers who have issued books in the month of June 2023.
select distinct c.Customer_name,i.Issue_date
from Customer c
join IssueStatus i on c.Customer_Id = i.Issued_cust
where year(i.Issue_date) = 2024 and month(i.Issue_date) = 6;
#or
select c.customer_name,i.issue_date
from customer c join issuestatus i
on c.customer_id= i.issued_cust
where issue_date between '2024-06-01' and '2024-06-30';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Customer_name	Issue_date
Aishu	2024-06-01
Rahul	2024-06-03
Anju	2024-06-05

```sql
#9. Retrieve book_title from book table containing history.
select Book_title from Books where Category = 'History';
#or
select Book_title from Books where Category like '%History%';
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Book_title
The Secret

```sql
#10.Retrieve the branch numbers along with the count of employees for branches having more than 2 employees
select Branch_no, COUNT(*) as Employee_Count
from Employee
group by Branch_no
having COUNT(*) > 2;

#or
select Branch_no, Employee_Count
from (
    select Branch_no, COUNT(*) as Employee_Count
    from Employee
    group by Branch_no
) as Branch_Employee_Count
where Employee_Count > 2;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Branch_no	Employee_Count
2	3