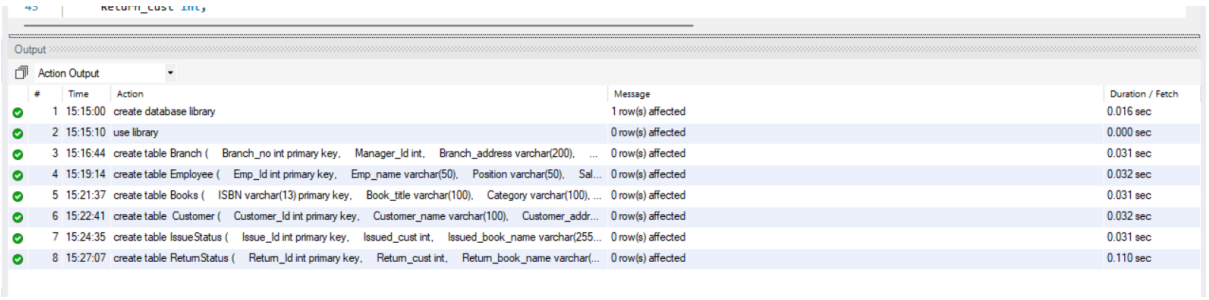
Create a database named library and following TABLES in the database:

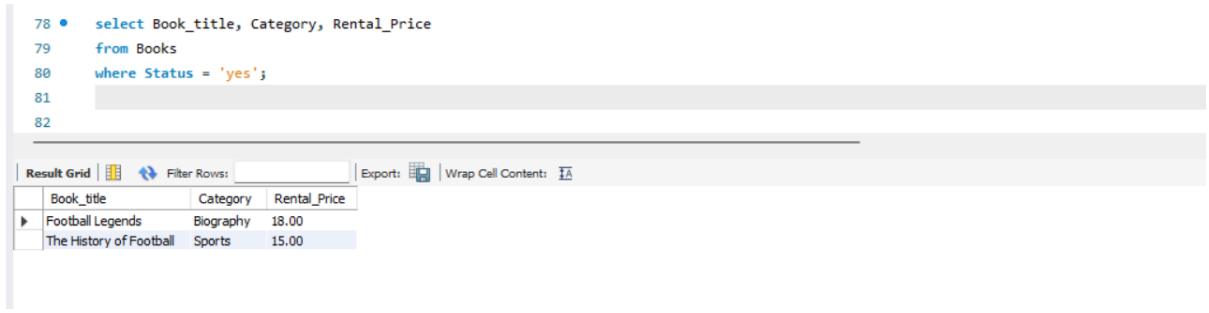
1. Branch
2. Employee
3. Books
4. Customer
5. IssueStatus
6. ReturnStatus

```sql
create database library;
use library;
create table Branch (
    Branch_no int primary key,
    Manager_Id int,
    Branch_address varchar(200),
    Contact_no varchar(10)
);
create table Employee (
    Emp_Id int primary key,
    Emp_name varchar(50),
    Position varchar(50),
    Salary decimal(10, 2),
    Branch_no int,
    foreign key (Branch_no) references Branch(Branch_no)
);
create table Books (
    ISBN varchar(13) primary key,
    Book_title varchar(100),
    Category varchar(100),
    Rental_Price decimal(10, 2),
    status enum('yes', 'no'),
    Author varchar(100),
    Publisher varchar(50)
);
create table  Customer (
    Customer_Id int primary key,
    Customer_name varchar(100),
    Customer_address varchar(255),
    Reg_date date
);
```

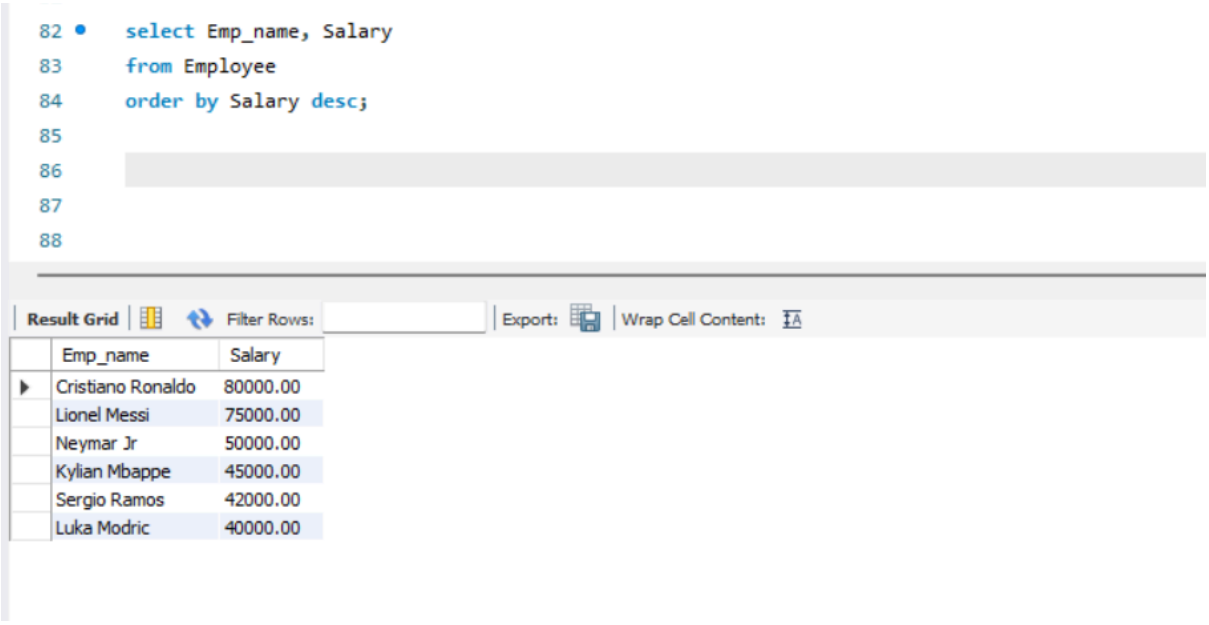
```sql
create table IssueStatus (
    Issue_Id int primary key,
    Issued_cust int,
    Issued_book_name varchar(255),
    Issue_date date,
    Isbn_book varchar(13),
    foreign key (Issued_cust) references Customer(Customer_Id),
    foreign key (Isbn_book) references Books(ISBN)
);
create table ReturnStatus (
    Return_Id int primary key,
    Return_cust int,
    Return_book_name varchar(255),
    Return_date date,
    Isbn_book2 varchar(13),
    foreign key (Return_cust) references Customer(Customer_Id),
    foreign key (Isbn_book2) references Books(ISBN)
);
```



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



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



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

```
86 •  select B.Book_title, C.Customer_name
87    from Books B
88    join IssueStatus I on B.ISBN = I.Isbn_book
89    join Customer C on I.Issued_cust = C.Customer_Id;
```

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

Book_title	Customer_name
The History of Football	Diego Maradona
Football Legends	Zinedine Zidane

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

```
91 •  select Category, COUNT(*) "total count"
92    from Books
93    group by Category;
94
95
```

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

Category	total count
Biography	1
Sports	3

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

```
95 •  select Emp_name, Position
96    from Employee
97    where Salary > 50000;
98
```

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

Emp_name	Position
Lionel Messi	Manager
Cristiano Ronaldo	Manager

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

```
99  select Customer_name
100 from Customer C
101 where Reg_date < '2022-01-01'
102 and not exists (
103     select 1
104     from IssueStatus I
105     where I.Issued_cust = C.Customer_Id
106 );
107
```

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

Customer_name
Pele
David Beckham

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

```
107
108 select Branch_no, COUNT(*) AS "Total Employees"
109 from Employee
110 group by Branch_no;
111
112
```

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

Branch_no	Total Employees
1	3
2	3

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

```
112 select C.Customer_name
113 from Customer C
114 join IssueStatus I on C.Customer_Id = I.Issued_cust
115 where Issue_date between '2023-06-01' and '2023-06-30';
```

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

Customer_name
Diego Maradona
Zinedine Zidane

9. Retrieve book_title from book table containing history.

```
117 •  select Book_title
118    from Books
119    where Book_title like '%history%';
120
```

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

Book_title
The History of Football

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

```
121 •  select Branch_no, COUNT(*) "Total Employees"
122    from Employee
123    group by Branch_no
124    having COUNT(*) > 5;
125
126
```

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

Branch_no	Total Employees

```
121 •  select Branch_no, COUNT(*) "Total Employees"
122    from Employee
123    group by Branch_no
124    having COUNT(*) > 2;
125
```

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

Branch_no	Total Employees
1	3
2	3

Result 17

Output

Action Output

#	Time	Action	Message
34	16:02:49	select Branch_no, COUNT(*) "Total Employees" from Employee group by Branch_no having COUNT(*) ...	0 row(s) returned
35	16:02:57	select Branch_no, COUNT(*) "Total Employees" from Employee group by Branch_no having COUNT(*) ...	2 row(s) returned

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

```sql
select E.Emp_name, B.Branch_address
from Employee E
join Branch B on E.Emp_Id = B.Manager_Id;
```

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

Emp_name	Branch_address
Lionel Messi	123 Football St, City A
Cristiano Ronaldo	456 Soccer Ave, City B

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

```sql
select distinct C.Customer_name
from Customer C
join IssueStatus I on C.Customer_Id = I.Issued_cust
join Books B on I.Isbn_book = B.ISBN
where B.Rental_Price > 25;
```

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

Customer_name

```sql
select distinct C.Customer_name
from Customer C
join IssueStatus I on C.Customer_Id = I.Issued_cust
join Books B on I.Isbn_book = B.ISBN
where B.Rental_Price > 10;
```

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

Customer_name
Diego Maradona
Zinedine Zidane