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

```
);
INSERT INTO ReturnStatus (Return_Id, Return_cust, Return_book_name, Return_date, Isbn_book2)
VALUES
(401, 201, 'Introduction to Python', '2023-06-25', '9781111111111'),
(402, 202, 'Advanced SQL Queries', '2023-06-28', '9783333333333');
SELECT Book_title, Category, Rental_Price
FROM Books
WHERE Status = 'yes';
```

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

Book_title	Category	Rental_Price
Introduction to Python	Programming	30.00
Advanced SQL Queries	Programming	35.00
Modern Art: An Overview	Art	40.00

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

```
(402, 202, 'Advanced SQL Queries', '2023-06-28', '9783333333333');
SELECT Book_title, Category, Rental_Price
FROM Books
WHERE Status = 'yes';

SELECT Emp_name, Salary
FROM Employee
ORDER BY Salary DESC;
```

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

Emp_name	Salary
Alice Johnson	75000.00
Bob Smith	72000.00
Clara Lee	71000.00
David Brown	50000.00
Eve Davis	40000.00
Frank Harris	38000.00

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

```
SELECT Emp_name, Salary
FROM Employee
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_cust = Customer.Customer_Id;
```

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

Book_title	Customer_name
Introduction to Python	Chris Evans
Advanced SQL Queries	Diana Prince
Modern Art: An Overview	Clark Kent

4. Display the total count of books in each category

```
SELECT Books.Book_title, Customer.Customer_name
FROM Books
JOIN IssueStatus ON Books.ISBN = IssueStatus.Isbn_book
JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id;

SELECT Category, COUNT(*) AS Total_Books
FROM Books
GROUP BY Category;
```

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

Category	Total_Books
Programming	2
History	1
Art	1
Science	1

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

```
108     JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id;
109
110 •   SELECT Category, COUNT(*) AS Total_Books
111     FROM Books
112     GROUP BY Category;
113 •   SELECT Emp_name, Position
114     FROM Employee
115     WHERE Salary > 50000;
116
```

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

Emp_name	Position
Alice Johnson	Manager
Bob Smith	Manager
Clara Lee	Manager

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

```
113 •   SELECT Emp_name, Position
114     FROM Employee
115     WHERE Salary > 50000;
116
117 •   SELECT Customer_name
118     FROM Customer
119     WHERE Reg_date < '2022-01-01'
120       AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
121
```

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

Customer_name
Natasha Romanoff

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

```
117 •   SELECT Customer_name
118     FROM Customer
119     WHERE Reg_date < '2022-01-01'
120       AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
121
122 •   SELECT Branch_no, COUNT(*) AS Total_Employees
123     FROM Employee
124     GROUP BY Branch_no;
125
```

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

Branch_no	Total_Employees
1	2
2	2
3	2

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

```
121
122 •   SELECT Branch_no, COUNT(*) AS Total_Employees
123     FROM Employee
124     GROUP BY Branch_no;
125 •   SELECT Customer.Customer_name
126     FROM Customer
127     JOIN IssueStatus ON Customer.Customer_Id = IssueStatus.Issued_cust
128     WHERE Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
129
```

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

Customer_name
Chris Evans
Diana Prince
Clark Kent

9. **Retrieve book_title from books table containing "history"**

```
125 •   SELECT Customer.Customer_name
126     FROM Customer
127     JOIN IssueStatus ON Customer.Customer_Id = IssueStatus.Issued_cust
128     WHERE Issue_date BETWEEN '2023-06-01' AND '2023-06-30';
129
130 •   SELECT Book_title
131     FROM Books
132     WHERE Book_title LIKE '%history%';
133
```

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

Book_title
History of Civilizations

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

```
SELECT Book_title
FROM Books
WHERE Book_title LIKE '%history%';

SELECT Branch_no, COUNT(*) AS Total_Employees
FROM Employee
GROUP BY Branch_no
HAVING COUNT(*) > 5;
```

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

Branch_no	Total_Employees

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

```
SELECT Branch_no, COUNT(*) AS Total_Employees
FROM Employee
GROUP BY Branch_no
HAVING COUNT(*) > 5;

SELECT Emp_name, Branch_address
FROM Employee
JOIN Branch ON Employee.Emp_Id = Branch.Manager_Id;
```

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

Emp_name	Branch_address
Alice Johnson	123 Main St, City A
Bob Smith	456 Elm St, City B
Clara Lee	789 Pine St, City C

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

```
FROM Employee
JOIN Branch ON Employee.Emp_Id = Branch.Manager_Id;

SELECT DISTINCT Customer.Customer_name
FROM Customer
JOIN IssueStatus ON Customer.Customer_Id = IssueStatus.Issued_cust
JOIN Books ON IssueStatus.Isbn_book = Books.ISBN
WHERE Books.Rental_Price > 25;
```

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

Customer_name
Chris Evans
Diana Prince
Clark Kent