

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

The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
89      (2,2,'Story','2022-04-15',103);
90
91  -- Retrieve the book title, category, and rental price of all available books.
92  • SELECT Book_title,Category,Rental_Price
93      FROM Books
94      WHERE Status='yes';
95
```

The result grid displays the following data:

Book_title	Category	Rental_Price
Data Science	Science & Tech	550.00
Technology	Fiction	450.00
Story	Drama	650.00

The interface also shows a sidebar with icons for Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Books 1" and "Read Only".

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

The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query editor contains the following SQL code:

```
93  FROM Books
94  WHERE Status='yes';
95
96  -- List the employee names and their respective salaries in descending order of salary.
97  • SELECT Emp_name,Salary
98      FROM Employee
99      ORDER BY Salary DESC;
```

The result grid displays the following data:

Emp_name	Salary
Hari S	70000.00
Kevin James	70000.00
Midhun M	60000.00
Tince Tony	45000.00

The interface also shows a sidebar with icons for Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Employee 2" and "Read Only".

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

The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query is as follows:

```
100
101  -- Retrieve the book titles and the corresponding customers who have issued those books.
102  SELECT Books.Book_title, Customer.Customer_name
103  FROM IssueStatus
104  JOIN Books ON IssueStatus.Isbn_book=Books.ISBN
105  JOIN Customer ON IssueStatus.Issued_cust=Customer.Customer_Id;
106
```

The result grid displays the following data:

Book_title	Customer_name
Data Science	Johnson Sebastian
Technology	Bobin M
Story	Ajay Saji

The interface includes a toolbar with icons for various functions, a search bar, and a sidebar with options like Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Result 4" and "Read Only".

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

The screenshot shows the MySQL Workbench interface with a query editor and a result grid. The query is as follows:

```
106
107  -- Display the total count of books in each category.
108  SELECT Category,COUNT(*) AS BookCount
109  FROM Books
110  GROUP BY Category;
111
112
```

The result grid displays the following data:

Category	BookCount
Science & Tech	1
Fiction	1
Drama	1
Noval	1

The interface includes a toolbar with icons for various functions, a search bar, and a sidebar with options like Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Result 8" and "Read Only".

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

The screenshot shows a MySQL IDE window titled 'mysql\_project\*'. The query editor contains the following SQL code:

```
109 FROM Books
110 GROUP BY Category;
111
112 -- Retrieve the employee names and their positions for the employees whose salaries are above
113 SELECT Emp_name,Position,Salary
114 FROM Employee
115 WHERE Salary>50000;
```

The 'Result Grid' shows the following data:

Emp_name	Position	Salary
Midhun M	Manager	60000.00
Hari S	Manager	70000.00
Kevin James	Manager	70000.00

The interface includes a 'Limit to 1000 rows' button, a search bar, and an 'Export' button. The status bar at the bottom indicates 'Employee 10' and 'Read Only'.

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

The screenshot shows a MySQL IDE window titled 'mysql\_project\*'. The query editor contains the following SQL code:

```
116
117 -- List the customer names who registered before 2022-01-01 and have not issued any books yet
118 SELECT Customer_name
119 FROM Customer
120 WHERE Reg_date<'2022-01-01' AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
121
122
```

The 'Result Grid' shows the following data:

Customer_name
Melvin Mathew

The interface includes a 'Limit to 1000 rows' button, a search bar, and an 'Export' button. The status bar at the bottom indicates 'Customer 11' and 'Read Only'.

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

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
119 FROM Customer
120 WHERE Reg_date<'2022-01-01' AND Customer_Id NOT IN (SELECT Issued_cust FROM IssueStatus);
121
122 -- Display the branch numbers and the total count of employees in each branch.
123 SELECT Branch_no, COUNT(*) AS E_Count
124 FROM Employee
125 GROUP BY Branch_no;
```

The results are displayed in a table with two columns: Branch\_no and E\_Count.

Branch_no	E_Count
1	2
2	1
4	1

The interface also shows a sidebar with options like Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Result 12" and "Read Only".

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

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
127
128 -- Display the names of customers who have issued books in the month of June 2023.
129 SELECT DISTINCT Customer.Customer_name
130 FROM IssueStatus
131 JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id
132 WHERE MONTH(IssueStatus.Issue_date)=6 AND YEAR(IssueStatus.Issue_date)=2023;
133
```

The results are displayed in a table with one column: Customer\_name.

Customer_name
Melvin Mathew

The interface also shows a sidebar with options like Result Grid, Form Editor, Field Types, and Query Stats. The status bar at the bottom indicates "Result 16" and "Read Only".

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

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
132 JOIN Customer ON IssueStatus.Issued_cust = Customer.Customer_Id
133 WHERE MONTH(IssueStatus.Issue_date)=6 AND YEAR(IssueStatus.Issue_date)=2023;
134
135 -- Retrieve book_title from book table containing history.
136 SELECT Book_title
137 FROM Books
138 WHERE Category ='History';
```

The query is executed, and the result grid shows a single row with the book title 'Untold'.

Book_title
Untold

The status bar at the bottom indicates 'Books 17' and 'Read Only'.

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

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
143 WHERE Category ='History';
144
145 -- Retrieve the branch numbers along with the count of employees for branches having more th
146 SELECT Branch_no, COUNT(*) AS Employee_Count
147 FROM Employee
148 GROUP BY Branch_no
149 HAVING Employee_Count > 5;
```

The query is executed, and the result grid shows a single row with branch number 1 and employee count 6.

Branch_no	Employee_Count
1	6

The status bar at the bottom indicates 'Result 19' and 'Read Only'.