

# LIBRARY MANAGEMENT SYSTEM

## Output of different queries

### Tables created

#### 1. Branch

Result Grid

Filter Rows:

Edit:

	BRANCH_NO	MANAGER_ID	BRANCH_ADDRESS	CONTACT_NO
▶	101	2001	123 Main St	5551234567
	102	2002	456 Elm St	5557890123
	103	2003	789 Oak St	5554567890
	104	2004	1011 Pine St	5552468135
	105	2005	1314 Spruce St	5559876543
•	NULL	NULL	NULL	NULL

BRANCH 1 ×

#### 2. Employee

Result Grid

Filter Rows:

Edit:

Export/Import:

	EMP_ID	EMP_NAME	POSITION	SALARY	BRANCH_NO
▶	2001	John Smith	Branch Manager	75000.00	101
	2002	Jane Doe	Librarian	50000.00	102
	2003	Michael Lee	Assistant Librarian	40000.00	103
	2004	Sarah Jones	Shelving Assistant	30000.00	104
	2005	David Miller	Customer Service Representative	35000.00	105
✱	NULL	NULL	NULL	NULL	NULL

EMPLOYEE 2

✕

### 3. Books

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	ISBN	BOOK_TITLE	CATEGORY	RENTAL_PRICE	STATUS	AUTHOR	PUBLISHER
▶	9780061120084	To Kill a Mockingbird	Fiction	7.00	YES	Harper Lee	HarperCollins
	9780140444486	The Lord of the Rings	Fantasy	10.00	YES	J. R. R. Tolkien	Houghton Mifflin Harcourt
	9780316069471	Pride and Prejudice	Romance	8.00	NO	Jane Austen	Penguin Classics
	9780385490747	The Hitchhiker's Guide to the Galaxy	Science Fiction	9.00	YES	Douglas Adams	Pan Macmillan
	9780446670704	Harry Potter and the Sorcerer's Stone	Fantasy	5.00	NO	J. K. Rowling	Scholastic Inc.
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

BOOKS 3

×

### 4. Customer

Result Grid	Filter Rows:	Edit:	Export
CUSTOMER_ID	CUSTOMER_NAME	CUSTOMER_ADDRESS	REG_DATE
3001	Alice Brown	234 Maple Ave	2023-01-10
3002	Bob Johnson	567 Elm St	2022-12-01
3003	Charlie Williams	890 Oak St	2023-02-15
3004	Diana Davis	1213 Pine St	2021-08-20
3005	Ethan Garcia	1516 Elm st	2023-09-30
NULL	NULL	NULL	NULL

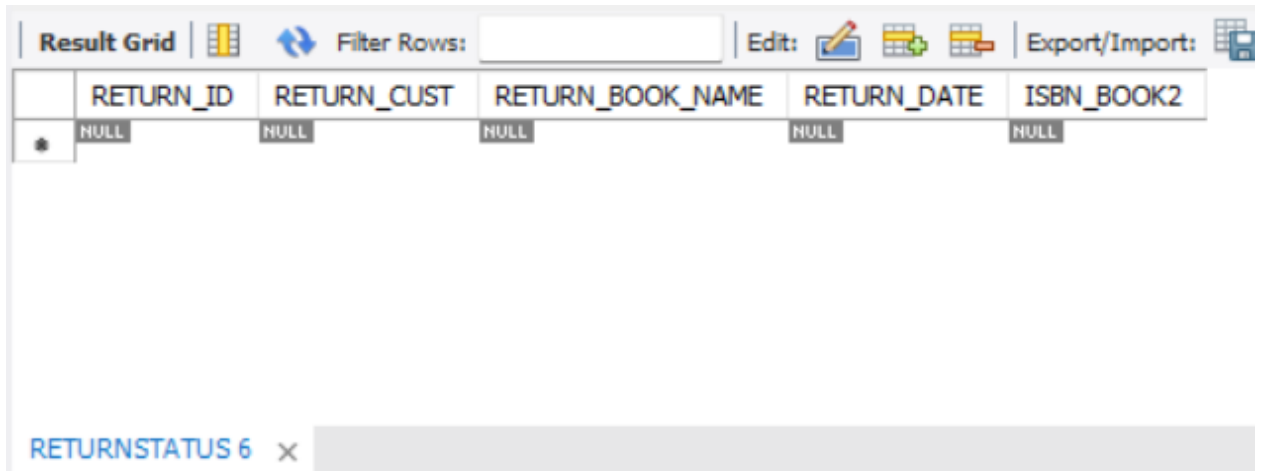
CUSTOMER 4 x

### 5. IssueStatus

Result Grid	Filter Rows:	Edit:	Export/Import:	Wr
ISSUE_ID	ISSUED_CUST	ISSUE_BOOK_NAME	ISSUE_DATE	ISBN_BOOK
4001	3001	The Lord of the Rings	2023-02-20	9780140444486
4002	3002	To Kill a Mockingbird	2023-04-15	9780061120084
4003	3003	The Hitchhiker's Guide to the Galaxy	2023-07-01	9780385490747
NULL	NULL	NULL	NULL	NULL

ISSUESTATUS 5 x

## 6. ReturnStatus

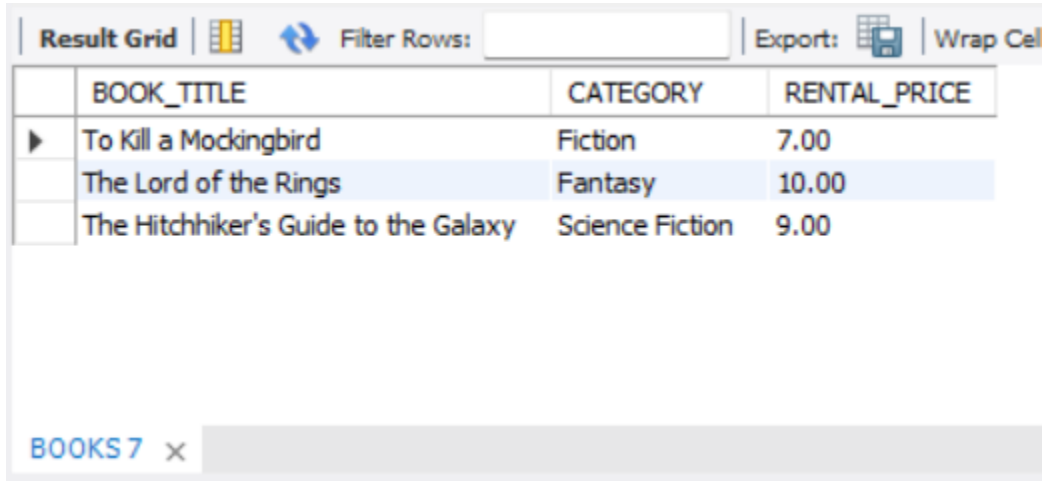


The screenshot shows a database query result grid. The toolbar includes 'Result Grid', 'Filter Rows', 'Edit', and 'Export/Import'. The table has five columns: RETURN\_ID, RETURN\_CUST, RETURN\_BOOK\_NAME, RETURN\_DATE, and ISBN\_BOOK2. The first row contains NULL values for all columns. The window title is 'RETURNSTATUS 6'.

	RETURN_ID	RETURN_CUST	RETURN_BOOK_NAME	RETURN_DATE	ISBN_BOOK2
*	NULL	NULL	NULL	NULL	NULL

## Questions

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



The screenshot shows a database query result grid. The toolbar includes 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell'. The table has three columns: BOOK\_TITLE, CATEGORY, and RENTAL\_PRICE. The first three rows contain book data. The window title is 'BOOKS 7'.

	BOOK_TITLE	CATEGORY	RENTAL_PRICE
▶	To Kill a Mockingbird	Fiction	7.00
	The Lord of the Rings	Fantasy	10.00
	The Hitchhiker's Guide to the Galaxy	Science Fiction	9.00

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

Result Grid			Filter Rows:
	EMP_NAME	SALARY	
▶	John Smith	75000.00	
	Jane Doe	50000.00	
	Michael Lee	40000.00	
	David Miller	35000.00	
	Sarah Jones	30000.00	

EMPLOYEE 8 x

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

Result Grid			Filter Rows:	Export:
	ISSUE_BOOK_NAME	CUSTOMER_NAME		
▶	The Lord of the Rings	Alice Brown		
	To Kill a Mockingbird	Bob Johnson		
	The Hitchhiker's Guide to the Galaxy	Charlie Williams		

Result 9 x

- Display the count of books in each category.

Result Grid	Filter Rows:
CATEGORY	Total_No_of_Books
Fiction	1
Fantasy	2
Romance	1
Science Fiction	1




Result 10 x

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

Result Grid	Filter Rows:
EMP_NAME	POSITION
John Smith	Branch Manager

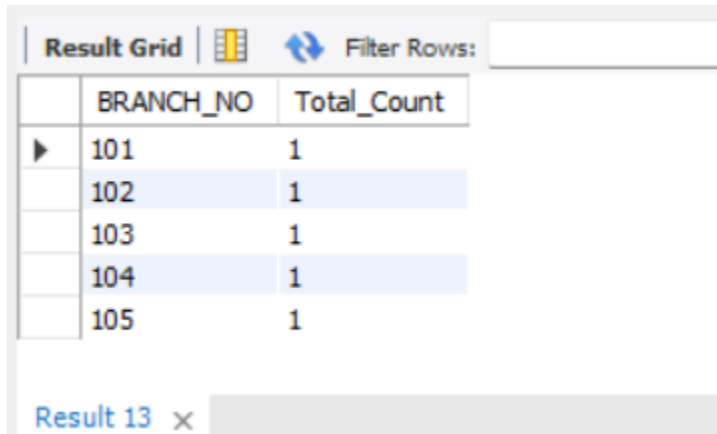
EMPLOYEE 11 x

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

Result Grid			Filter Rows: <input type="text"/>
	CUSTOMER_NAME		
	Diana Davis		

CUSTOMER 12 x

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

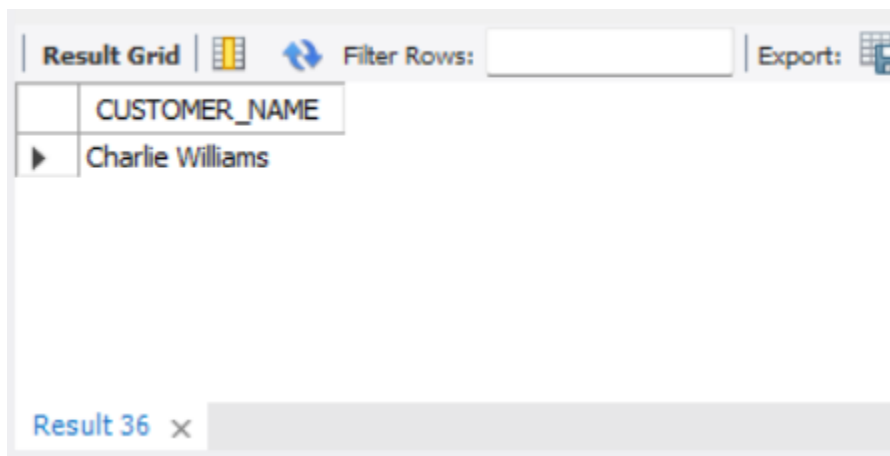


The screenshot shows a database query result grid. At the top, there is a tab labeled 'Result Grid' with a grid icon, a refresh icon, and a 'Filter Rows:' input field. The grid has two columns: 'BRANCH\_NO' and 'Total\_Count'. There are five rows of data, with the first row (101, 1) expanded to show a sub-grid. The sub-grid has one row with the value '1'. The main grid rows are: (101, 1), (102, 1), (103, 1), (104, 1), and (105, 1). At the bottom, there is a label 'Result 13' with a close button 'x'.

	BRANCH_NO	Total_Count
▶	101	1
	102	1
	103	1
	104	1
	105	1

Result 13 x

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

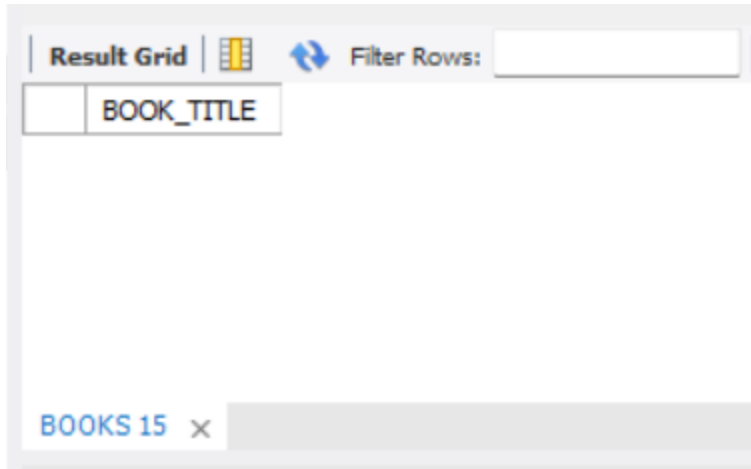


The screenshot shows a database query result grid. At the top, there is a tab labeled 'Result Grid' with a grid icon, a refresh icon, a 'Filter Rows:' input field, and an 'Export:' button with a download icon. The grid has one column: 'CUSTOMER\_NAME'. There is one row of data: 'Charlie Williams'. The row is expanded to show a sub-grid. The sub-grid has one row with the value 'Charlie Williams'. At the bottom, there is a label 'Result 36' with a close button 'x'.

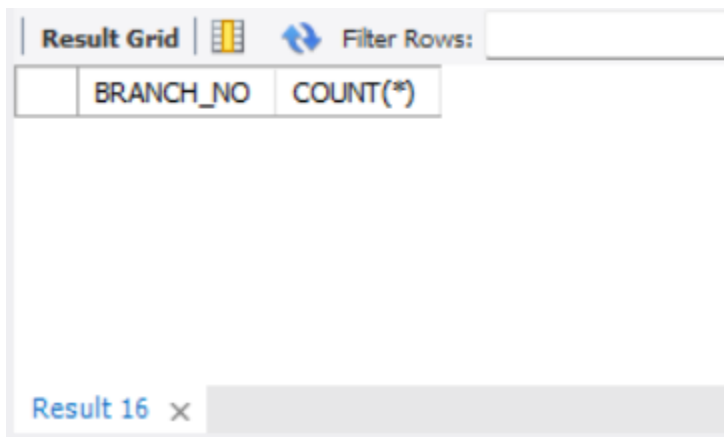
	CUSTOMER_NAME
▶	Charlie Williams

Result 36 x

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



10. Retrieve the branch numbers along with the count of employees for branches having more than 1 employees.



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