

Q1. Retrieve All Books Issued by a Specific Employee.

Objective: Select all books issued by the employee with emp_id = 'E101'.

	issued_id	issued_member_id	issued_book_name	issued_date	issued_book_isbn	issued_emp_id
▶	IS130	C106	Moby Dick	2024-04-03	978-0-451-52994-2	E101
	IS131	C106	To Kill a Mockingbird	2024-04-04	978-0-06-112008-4	E101

Q2. List Members Who Have Issued More Than One Book.

Objective: Use GROUP BY to find members who have issued more than one book.

	issued_member_id
▶	C105
	C106
	C107
	C108
	C109
	C110

Q3. Create Summary Tables: Used CTAS to generate new tables based on query results - each book and total book issued count.

	isbn	book_title	issued_count
▶	978-0-06-025492-6	Where the Wild Things Are	1
	978-0-06-112008-4	To Kill a Mockingbird	1
	978-0-06-112241-5	The Kite Runner	1
	978-0-06-440055-8	Charlotte's Web	1
	978-0-09-957807-9	A Game of Thrones	1
	978-0-14-027526-3	A Tale of Two Cities	1
	978-0-14-044930-3	The Histories	1
	978-0-14-118776-1	One Hundred Years of Solitude	1
	978-0-14-143951-8	Pride and Prejudice	1
	978-0-141-44171-6	Jane Eyre	1
	978-0-19-280551-1	The Guns of August	1
	978-0-307-37840-1	The Alchemist	1
	978-0-307-58837-1	Sapiens: A Brief History of Hu...	1
	978-0-330-25864-8	Animal Farm	2
	978-0-345-39180-3	Dune	1
	978-0-375-41398-8	The Diary of a Young Girl	1
	978-0-393-05081-8	A Peoples History of the Unite...	1
	978-0-393-01257-0	None	1

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

isbn	book_title	issued_count
978-0-345-39180-3	Dune	1
978-0-375-41398-8	The Diary of a Young Girl	1
978-0-393-05081-8	A Peoples History of the Unite...	1
978-0-393-91257-8	Guns, Germs, and Steel: The ...	1
978-0-451-52993-5	Fahrenheit 451	1
978-0-451-52994-2	Moby Dick	1
978-0-452-28240-7	Brave New World	1
978-0-525-47535-5	The Great Gatsby	2
978-0-553-29698-2	The Catcher in the Rye	1
978-0-670-81302-4	The Road	1
978-0-679-64115-3	1984	1
978-0-679-76489-8	Harry Potter and the Sorcerer...	2
978-0-679-77644-3	Beloved	1
978-0-7432-4722-5	Angels & Demons	1
978-0-7432-7356-4	The Hobbit	1
978-0-7432-7357-1	1491: New Revelations of the...	1
978-0-7434-7679-3	The Stand	1

Result 69 ×

Q4. Retrieve All Books in a Specific Category.

Result Grid | Filter Rows: _____ | Export: _____

	book_title	category
▶	A Game of Thrones	Fantasy
	Harry Potter and the Sorcerers Stone	Fantasy
	The Hobbit	Fantasy

Q5. Find Total Rental Income by Category.

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

	category	SUM(b.rental_price)	count_rental_price
▶	Children	7.5	2
	Classic	59	10
	Fiction	14.5	3
	Fantasy	28.5	4
	History	49.5	7
	Literary Fiction	6.5	1
	Science Fiction	8.5	1
	Dystopian	25.5	4
	Mystery	7.5	1
	Horror	7	1

Q6. List Members Who Registered in the Last 180 Days.

Result Grid				
	member_id	member_name	member_address	reg_date
▶	C120	francis	156 Bigul St	2026-05-05
	C121	Maduro	196 Begum St	2025-12-02

Q7. List Employees with Their Branch Manager's Name and their branch details.

Result Grid								
	emp_id	emp_name	position	salary	branch_id	manager_id	branch_address	manager_name
▶	E106	Michelle Ramirez	Assistant	43000	B001	E109	123 Main St	Daniel Anderson
	E105	Sarah Brown	Assistant	42000	B001	E109	123 Main St	Daniel Anderson
	E104	Emily Davis	Assistant	40000	B001	E109	123 Main St	Daniel Anderson
	E103	Mike Johnson	Librarian	55000	B001	E109	123 Main St	Daniel Anderson
	E101	John Doe	Clerk	60000	B001	E109	123 Main St	Daniel Anderson
	E102	Jane Smith	Clerk	45000	B002	E109	456 Elm St	Daniel Anderson
	E109	Daniel Anderson	Manager	57000	B003	E109	789 Oak St	Daniel Anderson
	E108	Jessica Taylor	Clerk	46000	B004	E110	567 Pine St	Laura Martinez
	E111	Christopher Lee	Assistant	65000	B005	E110	890 Maple St	Laura Martinez
	E110	Laura Martinez	Manager	41000	B005	E110	890 Maple St	Laura Martinez
	E107	Michael Thompson	Clerk	62000	B005	E110	890 Maple St	Laura Martinez

Q8. Create a Table of Books with Rental Price above a Certain Threshold 7 USD.

isbn	book_title	category	rental_price	status	author	publisher
978-0-09-957807-9	A Game of Thrones	Fantasy	7.5	yes	George R.R. Martin	Bantam
978-0-307-58837-1	Sapiens: A Brief History of Humankind	History	8	no	Yuval Noah Harari	Harper Perennial
978-0-345-39180-3	Dune	Science Fiction	8.5	yes	Frank Herbert	Ace
978-0-393-05081-8	A Peoples History of the United States	History	9	yes	Howard Zinn	Harper Perennial
978-0-525-47535-5	The Great Gatsby	Classic	8	yes	F. Scott Fitzgerald	Scribner
978-0-7432-4722-4	The Da Vinci Code	Mystery	8	yes	Dan Brown	Doubleday
978-0-7432-4722-5	Angels & Demons	Mystery	7.5	yes	Dan Brown	Doubleday

Q9. Retrieve the List of Books Not Yet Returned.

issued_book_name
Dune
Where the Wild Things Are
The Kite Runner
Charlotte's Web
Beloved
A Tale of Two Cities
The Stand
Moby Dick
To Kill a Mockingbird
The Hobbit
Angels & Demons
The Diary of a Young Girl
Sapiens: A Brief History o...
1491: New Revelations of...
The Catcher in the Rye
The Great Gatsby
Harry Potter and the Sorc...
Animal Farm

Q10. Identify Members with Overdue Books.

member_id	member_name	issued_book_name	issued_date	overdue_days
C102	Bob Smith	Fahrenheit 451	2024-03-26	35
C103	Carol Davis	Dune	2024-03-27	34
C104	Dave Wilson	Where the Wild Things Are	2024-03-28	33
C105	Eve Brown	The Kite Runner	2024-03-29	32
C105	Eve Brown	Charlotte's Web	2024-03-30	31

Q11. Branch Performance Report

Create a query that generates a performance report for each branch, showing the number of books issued, the number of books returned, and the total revenue generated from book rentals.

branch_id	manager_id	Issued_book_number	Return_book_number	Total_revenue
B001	E109	17	9	111.5
B002	E109	2	0	12
B003	E109	2	0	14
B004	E110	4	3	26.5
B005	E110	9	3	50

Q12. Create a Table of Active Members

Use the CREATE TABLE AS (CTAS) statement to create a new table active members containing members who have issued at least one book in the last 2 months.

	member_id	member_name	member_address	reg_date
▶	C105	Eve Brown	890 Maple St	2021-09-25
	C106	Frank Thomas	234 Cedar St	2021-10-15
	C107	Grace Taylor	345 Walnut St	2021-11-20
	C108	Henry Anderson	456 Birch St	2021-12-10
	C109	Ivy Martinez	567 Oak St	2022-01-05
	C110	Jack Wilson	678 Pine St	2022-02-25

Q13. Find Employees with the Most Book Issues Processed.

Write a query to find the top 3 employees who have processed the most book issues. Display the employee name, number of books processed, and their branch.

	emp_id	emp_name	books_processed	branch_id	branch_address
▶	E110	Laura Martinez	6	B005	890 Maple St
	E106	Michelle Ramirez	6	B001	123 Main St
	E104	Emily Davis	4	B001	123 Main St