

SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mccam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mccam (74))

Query: --Library Database - 2020 Queries--
--1. Display library ID, name, and the name of the manager...
SELECT
 l.LibraryID,
 l.Name AS LibraryName,
 s.FullName AS ManagerName
FROM Library l
JOIN Staff s
 ON l.LibraryID = s.LibraryID
WHERE s.Position = 'Archivist';

select* from Staff
select* from Library

Results: 100 %
LibraryID LibraryName ManagerName
1 3 Library3 Said Al-Hathy

Messages: StaffID FullName Position ContactNumber LibraryID
1 1 Hamed Al-Sayed Librarian 997549 1
2 2 Sara alshah Assistant Librarian 932975 2
3 3 Said Al-Hathy Archivist 9427927 3
4 4 Lala Al-dakh Library Technician 9856432 4

LibraryID Name Location ContactNumber EstablishedYear
1 1 Library1 Muscat 96999 2000
2 2 Library2 Nawa 96999 1998
3 3 Library3 Sawaq 98756 19992
4 4 Library4 Sohar 99888 1886

Properties: Current connection parameters
Aggregate Status
Connection failures
Elapsed time 00:00:00.046
Finish time 12/23/2023 11:55:26 AM
Name ALMAZDI
Rows returned 9
Start time 12/23/2023 11:55:26 AM
State Open
Connection name ALMAZDI (ALMAZDI/mccam)
Connection Details
Connection elapsed time 00:00:00.046
Connection encryption Not encrypted
Connection finish time 12/23/2023 11:55:26 AM
Connection rows returned 9
Connection start time 12/23/2023 11:55:26 AM
Connection state Open
Display name ALMAZDI
Login name ALMAZDI/mccam
Server name ALMAZDI
Server version 15.0.2000
Session tracing ID SPID 74

Name
The name of the connection.

Ready Sunny 74°F 11:56 AM 12/23/2023

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mccam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mccam (74))

Query: --Library Database - 2020 Queries--
--1. Display library ID, name, and the name of the manager...
SELECT
 l.LibraryID,
 l.Name AS LibraryName,
 s.FullName AS ManagerName
FROM Library l
JOIN Staff s
 ON l.LibraryID = s.LibraryID
WHERE s.Position = 'Archivist';

--Display library names and the books available in each one--
SELECT
 l.Name AS LibraryName,
 b.Title AS BookTitle
FROM Library l
JOIN Book b
 ON l.LibraryID = b.LibraryID
WHERE b.IsAvailable = 1;

select* from Book
select* from Library

Results: 100 %
LibraryName BookTitle
1 Library1 DATABASE
2 Library2 baby
3 Library3 Algebra
4 Library4 Islamic

Messages: LibraryID Name Location ContactNumber EstablishedYear
1 1 Library1 Muscat 96999 2000
2 2 Library2 Nawa 96999 1998
3 3 Library3 Sawaq 98756 19992
4 4 Library4 Sohar 99888 1886

Properties: Current connection parameters
Aggregate Status
Connection failures
Elapsed time 00:00:00.035
Finish time 12/23/2023 11:59:21 AM
Name ALMAZDI
Rows returned 4
Start time 12/23/2023 11:59:21 AM
State Open
Connection name ALMAZDI (ALMAZDI/mccam)
Connection Details
Connection elapsed time 00:00:00.035
Connection encryption Not encrypted
Connection finish time 12/23/2023 11:59:21 AM
Connection rows returned 4
Connection start time 12/23/2023 11:59:21 AM
Connection state Open
Display name ALMAZDI
Login name ALMAZDI/mccam
Server name ALMAZDI
Server version 15.0.2000
Session tracing ID SPID 74

Name
The name of the connection.

Ready Sunny 74°F 11:59 AM 12/23/2023

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mocam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to LibraryDB (SQL Server 15.0.2000.5 - ALMAZDI/mocam (74))

Query: --Display library names and the books available in each one--

```

SELECT
    l.Name AS LibraryName,
    b.Title AS BookTitle
FROM Library l
JOIN Book b
    ON l.LibraryID = b.LibraryID

--Display all member data along with their loan history--
SELECT
    m.*
    ,lo.LoanID
    ,lo.LoanDate
    ,lo.DueDate
    ,lo.ReturnDate
    ,lo.Status
FROM Members m
LEFT JOIN Loan lo
    ON m.MemberID = lo.MemberID;

select* from Members
select* from Loan

```

Results: 5 rows

MemberID	FullName	Email	PhoneNumber	MembershipStartDate	LoanID	LoanDate	DueDate	ReturnDate	Status
1	Al Muhann	al.Muhann@emal.com	9606088	2025-01-01	1	2025-08-01	2025-12-24	NULL	Issued
2	Awad Muhann	Awad.Muhann@emal.com	97645377	2025-02-02	2	2025-09-02	2025-09-10	NULL	Issued
3	nohann Al	nohann.Al@emal.com	96764444	2025-03-06	3	2025-10-11	2025-10-13	NULL	Issued
4	Mohak Muhann	Mohak.Muhann@emal.com	9999555	2025-04-07	4	2025-11-11	2025-11-16	NULL	Issued
405	Mosa Muhammed	Mosa@gmail.com	99667788	2025-01-12	6	2025-08-11	2025-12-24	2025-12-18	Issued

Properties: Current connection parameters

Aggregate Status: Connection failures: 00:00:00.031, Elapsed time: 12/23/2025 12:03:58 PM, Finish time: ALMAZDI, Name: ALMAZDI, Rows returned: 5, Start time: 12/23/2025 12:03:58 PM, State: Open

Connection: Connection name: ALMAZDI (ALMAZDI/mocam)

Connection Details: Connection elapsed time: 00:00:00.031, Connection encryption: Not encrypted, Connection finish time: 12/23/2025 12:03:58 PM, Connection rows returned: 5, Connection start time: 12/23/2025 12:03:58 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mocam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: SPD, SPD: 74

Name: The name of the connection.

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mocam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to LibraryDB (SQL Server 15.0.2000.5 - ALMAZDI/mocam (74))

Query: --Display all member data along with their loan history--

```

SELECT
    m.*
    ,lo.LoanID
    ,lo.LoanDate
    ,lo.DueDate
    ,lo.ReturnDate
    ,lo.Status
FROM Members m
LEFT JOIN Loan lo
    ON m.MemberID = lo.MemberID;

--Display all books located in 'Zamalek' or 'Downtown'--
SELECT b.*
FROM Book b
JOIN Library l
    ON b.LibraryID = l.LibraryID
WHERE l.Location IN ('Zamalek', 'Downtown');

select* from Book
select* from Library

```

Results: 2 rows

BookID	ISBN	Title	Genre	Price	ShelfLocation	IsAvailable	LibraryID
3	978095	DATABASE	Fiction	26.36	A1-1	1	1
4	978011	babu	Children	12.76	A2-2	1	2

Properties: Current connection parameters

Aggregate Status: Connection failures: 00:00:00.037, Elapsed time: 12/23/2025 12:08:17 PM, Finish time: ALMAZDI, Name: ALMAZDI, Rows returned: 2, Start time: 12/23/2025 12:08:17 PM, State: Open

Connection: Connection name: ALMAZDI (ALMAZDI/mocam)

Connection Details: Connection elapsed time: 00:00:00.037, Connection encryption: Not encrypted, Connection finish time: 12/23/2025 12:08:17 PM, Connection rows returned: 2, Connection start time: 12/23/2025 12:08:17 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mocam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: SPD, SPD: 74

Name: The name of the connection.

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Enterprise Manager

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam) | Databases | LibraryDB

SQLQuery2.sql - ALMAZDI/mozam (74):

```

--Display all books located in 'Zamalek' or 'Downtown'...
SELECT b.*
FROM Loan a
LEFT JOIN Loan b
ON a.MemberID = b.MemberID;

--Display all books whose titles start with 'A'--
SELECT *
FROM Book
WHERE Title LIKE 'A%';

select* from Book
select* from Library

```

Results: 1 row(s) returned. Column headers: BookID, ISBN, Title, Genre, Price, ShelfLocation, IsAvailable, LibraryID. Row 1: 5, 987641, Algebra, Non-Fiction, 14.81, B1-1, 1, 3.

Properties: Current connection parameters. Aggregate Status: Connection failures: 0, Elapsed time: 00:00:00.031, Finish time: 12/23/2023 12:12:24 PM, Rows returned: 1, Start time: 12/23/2023 12:12:24 PM, State: Open. Connection: Connection name: ALMAZDI (ALMAZDI/mozam). Connection Details: Connection elapsed time: 00:00:00.031, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:12:24 PM, Connection rows returned: 1, Connection start time: 12/23/2023 12:12:24 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mozam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 74, SPID: 74.

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI/mozam (74) LibraryDB 00:00:00 1 rows

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Enterprise Manager

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam) | Databases | LibraryDB

SQLQuery2.sql - ALMAZDI/mozam (74):

```

--Display all books whose titles start with 'A'--
SELECT *
FROM Book
WHERE Title LIKE 'A%';

--List members who borrowed books priced between 11 and 14 LE--
SELECT * Fullname
FROM Members a
JOIN Loan b
ON a.MemberID = b.MemberID
JOIN Book c
ON b.BookID = c.BookID
WHERE b.Price BETWEEN 11 AND 14;

select* from Members
select* from Loan
select* from Book

```

Results: 1 row(s) returned. Column headers: Fullname. Row 1: Ahmed Mohamed.

Properties: Current connection parameters. Aggregate Status: Connection failures: 0, Elapsed time: 00:00:00.031, Finish time: 12/23/2023 12:16:19 PM, Rows returned: 1, Start time: 12/23/2023 12:16:19 PM, State: Open. Connection: Connection name: ALMAZDI (ALMAZDI/mozam). Connection Details: Connection elapsed time: 00:00:00.031, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:16:19 PM, Connection rows returned: 1, Connection start time: 12/23/2023 12:16:19 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mozam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 74, SPID: 74.

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI/mozam (74) LibraryDB 00:00:00 1 rows

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Enterprise Manager

Object Explorer: ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam)

Query: SQLQuery2.sql - ALMAZDI/mozam (74)

```

---List members who borrowed books priced between 11 and 13 LE...
SELECT m.FullName
FROM Members m
JOIN Loan l
ON m.MemberID = l.MemberID
JOIN Book b
ON l.BookID = b.BookID
WHERE b.Price BETWEEN 11 AND 13;

---Retrieve members who borrowed and returned books titled 'The Alchemist'---
SELECT m.FullName
FROM Members m
JOIN Loan l
ON m.MemberID = l.MemberID
JOIN Book b
ON l.BookID = b.BookID
WHERE b.Title = 'The Alchemist';

select* from Members
select* from Loan
select* from Book

```

Results: 2 rows

FullName
Ali Mohamed
Musa Mohamed

Properties: Current connection parameters

- Aggregate Status: Connection failures: 00:00:00.025, Elapsed time: 12/23/2023 12:18:58 PM, Finish time: 12/23/2023 12:18:58 PM, Name: ALMAZDI, Rows returned: 2, Start time: 12/23/2023 12:18:58 PM, State: Open
- Connection: Connection name: ALMAZDI (ALMAZDI/mozam)
- Connection Details: Connection elapsed time: 00:00:00.025, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:18:58 PM, Connection rows returned: 2, Connection start time: 12/23/2023 12:18:58 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mozam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 74, SPID: 74

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI/mozam (74) LibraryDB 00:00:00 2 rows

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Enterprise Manager

Object Explorer: ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam)

Query: SQLQuery2.sql - ALMAZDI/mozam (74)

```

---Find all members assisted by librarian 'Sarah Fathy'---
SELECT m.FullName
FROM Members m
JOIN Loan l
ON m.MemberID = l.MemberID
JOIN Book b
ON l.BookID = b.BookID
WHERE b.Title = 'The Alchemist';

select* from Members
select* from Loan
select* from Book
select* from Staff

```

Results: 1 row

FullName
Ahmed Mohamed

Properties: Current connection parameters

- Aggregate Status: Connection failures: 00:00:00.015, Elapsed time: 12/23/2023 12:23:26 PM, Finish time: 12/23/2023 12:23:26 PM, Name: ALMAZDI, Rows returned: 1, Start time: 12/23/2023 12:23:26 PM, State: Open
- Connection: Connection name: ALMAZDI (ALMAZDI/mozam)
- Connection Details: Connection elapsed time: 00:00:00.015, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:23:26 PM, Connection rows returned: 1, Connection start time: 12/23/2023 12:23:26 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mozam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: 74, SPID: 74

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI/mozam (74) LibraryDB 00:00:00 1 rows

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mocam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mocam (74))

Query: PROJECT SQL - ALMAZDI/mocam (74)

```

ON b.LibraryID = s.LibraryID
WHERE s.FullName = 'Sara alblashi';

--Display each member's name and the books they borrowed, ordered by book title--
SELECT
    m.FullName,
    b.Title
FROM Members m
JOIN Loan l
    ON m.MemberID = l.MemberID
JOIN Book b
    ON l.BookID = b.BookID
WHERE b.Title < 'A'
SELECT* FROM Members
SELECT* FROM Loan
SELECT* FROM Book
SELECT* FROM Staff

```

Results: 5 rows

FullName	Title
moham AB	Algebra
Ahmed Mohamed	Java
Al Mohamed	DATABASE
Mosa Mohamed	DATABASE
Mobak Mohamed	Islamic

Properties: Current connection parameters

Aggregate Status: Connection failures: 00:00:00.029, Elapsed time: 12/23/2023 12:26:29 PM, Finish time: ALMAZDI, Name: ALMAZDI, Rows returned: 5, Start time: 12/23/2023 12:26:29 PM, State: Open

Connection: Connection name: ALMAZDI (ALMAZDI/mocam)

Connection Details: Connection elapsed time: 00:00:00.029, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:26:29 PM, Connection rows returned: 5, Connection start time: 12/23/2023 12:26:29 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mocam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: SPD, SPD: 74

Name: The name of the connection.

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mocam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mocam (74))

Query: PROJECT SQL - ALMAZDI/mocam (74)

```

FROM Members m
JOIN Loan l
    ON m.MemberID = l.MemberID
JOIN Book b
    ON l.BookID = b.BookID
ORDER BY b.Title;

--For each book located in 'Cairo Branch', show title, library name, manager, and shelf info--
SELECT
    b.Title,
    l.Name,
    s.FullName,
    b.ShelfLocation
FROM Book b
JOIN Library l
    ON b.LibraryID = l.LibraryID
JOIN Staff s
    ON l.LibraryID = s.LibraryID
WHERE l.Name = 'Library1';

select* from Members
select* from Library
SELECT* FROM Book
SELECT* FROM Staff

```

Results: 1 row

Title	Name	FullName	ShelfLocation
DATABASE	Library1	Hamed Al-Sayed	A1-1

Properties: Current connection parameters

Aggregate Status: Connection failures: 00:00:00.034, Elapsed time: 12/23/2023 12:32:09 PM, Finish time: ALMAZDI, Name: ALMAZDI, Rows returned: 1, Start time: 12/23/2023 12:32:09 PM, State: Open

Connection: Connection name: ALMAZDI (ALMAZDI/mocam)

Connection Details: Connection elapsed time: 00:00:00.034, Connection encryption: Not encrypted, Connection finish time: 12/23/2023 12:32:09 PM, Connection rows returned: 1, Connection start time: 12/23/2023 12:32:09 PM, Connection state: Open, Display name: ALMAZDI, Login name: ALMAZDI/mocam, Server name: ALMAZDI, Server version: 15.0.2000, Session Tracing ID: SPD, SPD: 74

Name: The name of the connection.

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam (74))

Query Editor: PROJECT SQL - AZDI/mozam (74) | SQLQuery2.sql - ALMAZDI/mozam (74) | SQLQuery1.sql - ALMAZDI/mozam (72)

```
--For each book located in 'Cairo Branch', show title, library name, manager, and shelf info--
SELECT
    b.Title,
    l.Name,
    s.FullName,
    b.ShelfLocation
FROM Book b
    JOIN Library l
    ON b.LibraryID = l.LibraryID
    JOIN Staff s
    ON s.LibraryID = s.LibraryID
WHERE l.Name = 'Library1';

--Display all staff members who manage libraries,---
SELECT
    FROM Staff
WHERE Position = 'Librarian';

select* from Members
select* from Library
SELECT* FROM Book
Select* from Staff
```

Results: 100% | Messages

StaffID	FullName	Position	ContactNumber	LibraryID
1	Hamad A-Sayed	Librarian	9976543	1

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time
00:00:00.034	00:00:00.034

Connection

Connection name	Connection details
ALMAZDI (ALMAZDI/mozam)	Connection elapsed time: 00:00:00.034 Connection encryption: Not encrypted Connection finish time: 12/23/2025 12:33:54 PM Connection rows returned: 1 Connection start time: 12/23/2025 12:33:54 PM Connection state: Open Display name: ALMAZDI Login name: ALMAZDI/mozam Server name: ALMAZDI Server version: 15.0.2000 Session Tracing ID: SPID 74

Name: The name of the connection.

Ready | Sunny | 74°F | Search | 12:33 PM 12/23/2025

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SQLQuery2.sql - ALMAZDI/LibraryDB (ALMAZDI/mozam (74)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI/mozam (74))

Query Editor: PROJECT SQL - AZDI/mozam (74) | SQLQuery2.sql - ALMAZDI/mozam (74) | SQLQuery1.sql - ALMAZDI/mozam (72)

```
3031 Staff s
    ON l.LibraryID = s.LibraryID
WHERE l.Name = 'Library1';

SELECT
FROM Staff
WHERE Position = 'Librarian';

--Display all members and their reviews, even if some didn't submit any review yet--
SELECT
    s.FullName,
    r.Comments,
    r.Rating,
    r.ReviewDate
FROM Members m
    LEFT JOIN Review r
    ON m.MemberID = r.MemberID
select* from Members
select* from Review
SELECT* FROM Book
Select* from Staff
```

Results: 100% | Messages

FullName	Comments	Rating	ReviewDate
Ali Mohamed	No comments	2	2025-11-17
Ahmed Mohamed	No comments	3	2025-11-18
moham Ali	No comments	4	2025-11-19
Mohab Mohamed	No comments	5	2025-11-20
Mosa Mohamed	NULL	NULL	NULL

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time
00:00:00.031	00:00:00.031

Connection

Connection name	Connection details
ALMAZDI (ALMAZDI/mozam)	Connection elapsed time: 00:00:00.031 Connection encryption: Not encrypted Connection finish time: 12/23/2025 12:36:29 PM Connection rows returned: 5 Connection start time: 12/23/2025 12:36:29 PM Connection state: Open Display name: ALMAZDI Login name: ALMAZDI/mozam Server name: ALMAZDI Server version: 15.0.2000 Session Tracing ID: SPID 74

Name: The name of the connection.

Ready | Sunny | 74°F | Search | 12:36 PM 12/23/2025