

Bank JOINsql - ALMAZDI.BankDOB8 (ALMAZDI\mozam (83)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI\mozam (83))

SQL Query: Bank JOINsql - ALMAZDI\mozam (83) | SQLQuery1.sql - ALMAZDI\mozam (83)

```

Customer: c
LEFT JOIN
  Loans l
ON
  c.customerID = l.customerID
--Display loan records where the loan office is in "Alexandria" or "Giza"---
SELECT l.*, b.address
FROM Loans l
JOIN Employee e
ON e.employee_ID = l.employee_ID
JOIN Branch b
ON b.BranchID = e.BranchID
WHERE b.address LIKE 'ishtar%'
OR b.address LIKE 'Rustaq%'
SELECT * FROM branch

--Display account data where the type starts with "S" (e.g., "Savings")---
SELECT *
FROM account
WHERE accountType LIKE 'S%'
--List customers with accounts having balances between 20,000 and 50,000--

```

Results: Messages

	account_num	dateOfCreation	balance	accountType	customerID
1	1	2022-12-15	100	Savings	1
2	3	2025-12-15	1501	Savings	3

Query executed successfully. ALMAZDI (15.0 RTM) | ALMAZDI\mozam (83) | BankDOB8 | 00:00:00 | 2 rows

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time	Finish time	Name	Rows returned	Start time	State
	00:00:00.031	12/23/2025 8:11:44 AM	ALMAZDI	2	12/23/2025 8:11:44 AM	Open

Connection name: ALMAZDI (ALMAZDI\mozam)

Connection Details

Connection elapsed time	Connection encryption	Connection finish time	Connection rows returned	Connection start time	Connection state	Display name	Login name	Server name	Session version	Session Tracing ID	SPID
00:00:00.031	Not encrypted	12/23/2025 8:11:44 AM	2	12/23/2025 8:11:44 AM	Open	ALMAZDI	ALMAZDI\mozam	ALMAZDI	15.0.2000		83

Name: The name of the connection.

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Object Explorer: Connect to ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI\mozam (83))

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SELECT l.*, b.address
FROM Loans l
JOIN Employee e
ON e.employee_ID = l.employee_ID
JOIN Branch b
ON b.BranchID = e.BranchID
WHERE b.address LIKE 'ishtar%'
OR b.address LIKE 'Rustaq%'
SELECT * FROM branch

--Display account data where the type starts with "S" (e.g., "Savings")---
SELECT *
FROM account
WHERE accountType LIKE 'S%'
--List customers with accounts having balances between 20,000 and 50,000--
SELECT
  c.customerID,
  c.name,
  c.address
FROM customer c
JOIN account a ON c.customerID = a.customerID
WHERE a.balance BETWEEN 20000 AND 50000

```

Results: Messages

customerID	name	address
------------	------	---------

Query executed successfully. ALMAZDI (15.0 RTM) | ALMAZDI\mozam (83) | BankDOB8 | 00:00:00 | 0 rows

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time	Finish time	Name	Rows returned	Start time	State
	00:00:00.018	12/23/2025 8:21:52 AM	ALMAZDI	0	12/23/2025 8:21:52 AM	Open

Connection name: ALMAZDI (ALMAZDI\mozam)

Connection Details

Connection elapsed time	Connection encryption	Connection finish time	Connection rows returned	Connection start time	Connection state	Display name	Login name	Server name	Session version	Session Tracing ID	SPID
00:00:00.018	Not encrypted	12/23/2025 8:21:52 AM	0	12/23/2025 8:21:52 AM	Open	ALMAZDI	ALMAZDI\mozam	ALMAZDI	15.0.2000		83

Name: The name of the connection.

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Bank JOINsql - ALMAZDI.BankDOB8 (ALMAZDI\mccam (83)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to BankDOB8 (ALMAZDI\mccam (83))

SQL: bank.sql - ALMAZDI\mccam (83)

```

2028 Branch b
ON i.Customer_ID = b.branchid
WHERE i.account > 2000
AND b.address = 'Salalah Downtown';

--Find all customers assisted by employee 'Sam'--
SELECT c.*
FROM customer c
2029 employee e ON customer_ID = employee_ID
2030 employee e ON c.customer_ID = e.employee_ID
WHERE e.name = 'Sam';
--Display each customer's name and the accounts they hold, sorted by account type--
SELECT
c.name AS customer_name,
a.account_num,
a.accountType,
a.balance
FROM customer c
2031 account a ON c.customer_ID = a.customer_ID
ORDER BY a.accountType;

select* from customer
select* from account

```

Results: Messages

customer_name	account_num	accountType	balance
Ahmed	2	Checking	601
Fama	3	Savings	1501
Musa	1	Savings	100

customerID	phone_num	date_joind	name	address
1	9512	1880-05-20	Musa	Muscat
2	9685	1985-12-15	Ahmed	Salalah
3	9575	1990-07-30	Fama	Sohar

account_num	dateofCreation	balance	accountType	customerID
1	2022-12-15	100	Savings	1
2	2023-12-15	601	Checking	2
3	2025-12-15	1501	Savings	3

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI\mccam (83) BankDOB8 00:00:00 9 rows

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time	Finish time	Name	Rows returned	Start time	State
	00:00:00.047	12/23/2023 9:29:39 AM	ALMAZDI	9	12/23/2023 9:29:38 AM	Open

Connection

Connection name	Connection details
ALMAZDI (ALMAZDI\mccam)	<p>Connection elapsed time: 00:00:00.047</p> <p>Connection encryption: Not encrypted</p> <p>Connection finish time: 12/23/2023 9:29:39 AM</p> <p>Connection rows returned: 9</p> <p>Connection start time: 12/23/2023 9:29:38 AM</p> <p>Connection state: Open</p> <p>Display name: ALMAZDI</p> <p>Login name: ALMAZDI\mccam</p> <p>Server name: ALMAZDI</p> <p>Server version: 15.0.2000</p> <p>Session Tracing ID: SPD</p>

Name: The name of the connection.

Bank JOINsql - ALMAZDI.BankDOB8 (ALMAZDI\mccam (83)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to BankDOB8 (ALMAZDI\mccam (83))

SQL: bank.sql - ALMAZDI\mccam (83)

```

SELECT
i.Loans_ID,
c.name AS customer_name,
e.name AS employee_name,
b.address AS branch_name
FROM Loans i
2032 Customer c
ON i.Customer_ID = c.customer_ID
2033 Employee e
ON i.employee_ID = e.employee_ID
2034 Branch b
ON e.BranchID = b.branchid
WHERE b.address = 'sohar Main Street';

--Display all employees who manage any branch---
SELECT *
FROM employee
WHERE Position = 'Manager';

select* from employee

```

Results: Messages

employee_ID	Position	name	BranchID
1	Manager	Ah	NULL

employee_ID	Position	name	BranchID
1	Manager	Ah	NULL
2	Supervisor	Sams	NULL
3	Director	Ahmed	NULL
4	Assistant Manager	Hamed	NULL

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI\mccam (83) BankDOB8 00:00:00 5 rows

Properties: Current connection parameters

Aggregate Status

Connection failures	Elapsed time	Finish time	Name	Rows returned	Start time	State
	00:00:00.033	12/23/2023 11:12:05 AM	ALMAZDI	5	12/23/2023 11:12:05 AM	Open

Connection

Connection name	Connection details
ALMAZDI (ALMAZDI\mccam)	<p>Connection elapsed time: 00:00:00.033</p> <p>Connection encryption: Not encrypted</p> <p>Connection finish time: 12/23/2023 11:12:05 AM</p> <p>Connection rows returned: 5</p> <p>Connection start time: 12/23/2023 11:12:05 AM</p> <p>Connection state: Open</p> <p>Display name: ALMAZDI</p> <p>Login name: ALMAZDI\mccam</p> <p>Server name: ALMAZDI</p> <p>Server version: 15.0.2000</p> <p>Session Tracing ID: SPD</p>

Name: The name of the connection.

Bank JOIN.sql - ALMAZDI.BankDOBB (ALMAZDI\mccam) (83)* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Connect: ALMAZDI (SQL Server 15.0.2000.5 - ALMAZDI\mccam)

Object Explorer: Databases, System Databases, Database Snapshots, AirplanDB, BankDOBB, CollegeDOB11, Company, CompanyID, companyDB2, companyDOB, CompanyDOB8, companyoman, hotel, HotelDB, LibraryDB, TrainingCompany, TrainingCompanydb, Security, Server Objects, Replication, PolyBase, Always On High Availability, Management, Integration Services Catalogs, SQL Server Agent (Agent XPs disabled), SQL Server Profiler

SQL Query: Bank JOIN.sql - ALMAZDI\mccam (83)*

```
SELECT *
FROM employee
WHERE Position = 'Manager';

---Display all customers and their transactions, even if some customers have no transactions yet---
SELECT
    c.customerID,
    c.name,
    t.transactions_ID,
    t.Date,
    t.amount,
    t.withdrawals,
    t.deposits,
    t.transfers
FROM customer c
LEFT JOIN transactions t
ON c.customerID = t.transactions_ID
select* from customer
select* from transactions
```

Results: 100% Messages

customerID	name	transactions_ID	Date	amount	withdrawals	deposits	transfers
1	Mosa	1	2000-11-15	500	ATM	NULL	NULL
2	Ahmed	2	1989-02-11	600	cash	NULL	NULL
3	Fahma	3	2001-03-12	700	Cheque	NULL	NULL

customerID	phone_num	date_jbth	name	address
1	95012	1880-05-20	Mosa	Muscat
2	96095	1985-12-15	Ahmed	Salalah
3	96755	1990-07-30	Fahma	Sohar

transactions_ID	Date	amount	withdrawals	deposits	transfers	Account_num
1	2000-11-15	500	ATM	NULL	NULL	1
2	1989-02-11	600	cash	NULL	NULL	2
3	2001-03-12	700	Cheque	NULL	NULL	3

Query executed successfully. ALMAZDI (15.0 RTM) ALMAZDI\mccam (83) BankDOBB 00:00:00 9 rows

Properties: Current connection parameters

Aggregate Status: Connection failures, Elapsed time, Finish time, Name, Rows returned, Start time, State

Connection: Connection name, Connection Details: Connection elapsed time, Connection encryption, Connection finish time, Connection rows returned, Connection start time, Connection state, Display name, Login name, Server name, Server version, Session Tracing ID, SPID

Name: The name of the connection.

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