

BankJOIN.sql - ALMAZDI\BankDBB (ALMAZDI\mazam (83)) - Microsoft SQL Server Management Studio

```

-- Display loan records where the loan office is in 'Alexandria' or 'Giza'...
SELECT l.* 
FROM Loans l
LEFT JOIN Employee e
ON l.employee_ID = e.employee_ID
JOIN Branch b
ON b.BranchID = e.BranchID
WHERE b.address LIKE 'sohar%'
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 'SA%'

--List customers with accounts having balances between 20,000 and 50,000...
SELECT c.customerID, c.name, b.address
FROM customer c
INNER JOIN account a ON c.customerID = a.customerID
WHERE a.balance BETWEEN 20000 AND 50000;

```

Properties

Current connection parameters

Aggregate Status

- Connection failures: 00:00:00.031
- Elapsed time: 12/23/2023 8:11:44 AM
- Finish time: ALMAZDI
- Rows returned: 2
- Start time: 12/23/2023 8:11:44 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)

Connection Details

- Connection elapsed time: 00:00:00.031
- Connection encryption: Not encrypted
- Connection finish time: 12/23/2023 8:11:44 AM
- Connection rows returned: 2
- Connection start time: 12/23/2023 8:11:44 AM
- Connection state: Open
- Display name: ALMAZDI
- Login name: ALMAZDI\mazam
- Server name: ALMAZDI
- Server version: 15.0.2000
- Session Tracing ID: 83
- SPID: 83

Results

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

Messages

Query executed successfully.

ALMAZDI (15.0 RTM) | ALMAZDI\mazam (83) | BankDBB | 00:00:00 | 2 rows

Ready

8:13 AM 12/23/2023

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BankJOIN.sql - ALMAZDI\BankDBB (ALMAZDI\mazam (83)) - Microsoft SQL Server Management Studio

```

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JOIN Branch b
ON b.BranchID = e.BranchID
WHERE b.address LIKE 'sohar%'
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 'SA%'

--List customers with accounts having balances between 20,000 and 50,000...
SELECT c.customerID, c.name, b.address
FROM customer c
INNER JOIN account a ON c.customerID = a.customerID
WHERE a.balance BETWEEN 20000 AND 50000;

```

Properties

Current connection parameters

Aggregate Status

- Connection failures: 00:00:00.018
- Elapsed time: 12/23/2023 8:21:52 AM
- Finish time: ALMAZDI
- Rows returned: 0
- Start time: 12/23/2023 8:21:52 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)

Connection Details

- Connection elapsed time: 00:00:00.018
- Connection encryption: Not encrypted
- Connection finish time: 12/23/2023 8:21:52 AM
- Connection rows returned: 0
- Connection start time: 12/23/2023 8:21:52 AM
- Connection state: Open
- Display name: ALMAZDI
- Login name: ALMAZDI\mazam
- Server name: ALMAZDI
- Server version: 15.0.2000
- Session Tracing ID: 83
- SPID: 83

Results

customerID	name	address
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Messages

Query executed successfully.

ALMAZDI (15.0 RTM) | ALMAZDI\mazam (83) | BankDBB | 00:00:00 | 0 rows

Ready

8:22 AM 12/23/2023

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Bank JOIN4.sql - ALMAZIDI.BankDBB (ALMAZIDI\muzam (83)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

SQL bank.dbo - ALMAZIDI\muzam (54) Bank JOIN4.sql - ALMAZIDI\muzam (83) SQLQuery1.sql - A_AZIDI\muzam (80)

```

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;

--Retrieve customer names who borrowed more than 100,000 LE from 'Cairo Main Branch'--
SELECT
    c.name
FROM customer c
JOIN Loans l ON c.customerID = l.Customer_ID
JOIN Branch b ON l.Customer_ID = b.branchID
WHERE l.amount > 20000
AND b.address = 'Salalah Downtown';

select * from branch;
select * from loans;
select * from customer;

```

Properties

Current connection parameters

Aggregate Status

Connection failures: 00:00:00.079
Elapsed time: 12/23/2023 8:51:39 AM
Finish time: ALMAZIDI
Name: ALMAZIDI
Rows returned: 12
Start time: 12/23/2023 8:51:39 AM
State: Open

Connection

Connection name: ALMAZIDI (ALMAZIDI\muzam)

Connection Details

Connection elapsed time: 00:00:00.079
Connection encryption: Not encrypted
Connection finish time: 12/23/2023 8:51:39 AM
Connection rows returned: 12
Connection start time: 12/23/2023 8:51:39 AM
Connection state: Open
Display name: ALMAZIDI
Login name: ALMAZIDI\muzam
Server name: ALMAZIDI
Server version: 15.0.2000
Session Tracing ID: 83
SPID: 83

Results

Messages

name
Fatma

branch_id	address	phone_number
1	Sohar Main Street	3444
2	Seeb Industrial Area	2451
3	Salalah Downtown	2456
4	Rustaq street	3434

Loans_ID	type	amount	issue_date	employee_ID	Customer_ID
1	Home Loan	4000	2000-01-10	1	1
2	Vehicle Loan	5000	2000-01-11	2	2
3	Personal Loan	3000	1999-01-01	3	3
4	Business Loan	2000	1998-01-10	4	3

customerID	phone_num	date_bth	name	address
1	96512	1880-05-20	Mozza	Muzcat
2	96695	1985-12-15	Ahmed	Salalah
3	96755	1990-07-30	Fatma	Sohar

Query executed successfully.

ALMAZIDI (15.0 RTM) ALMAZIDI\muzam (83) BankDBB 00:00:00 12 rows

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8:51 AM 12/23/2023

Bank JOIN4.sql - ALMAZIDI.BankDBB (ALMAZIDI\muzam (83)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

SQL bank.dbo - ALMAZIDI\muzam (54) Bank JOIN4.sql - ALMAZIDI\muzam (83) SQLQuery1.sql - A_AZIDI\muzam (80)

```

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;

--Retrieve customer names who borrowed more than 2000 LE from 'Salalah Downtown'--
SELECT
    c.name
FROM customer c
JOIN Loans l ON c.customerID = l.Customer_ID
JOIN Branch b ON l.Customer_ID = b.branchID
WHERE l.amount > 2000
AND b.address = 'Salalah Downtown';

--Find all customers assisted by employee 'Amirs khaled'--
SELECT
    c.name
FROM customer c
JOIN employee e ON customerID = employee_ID
JOIN employee e2 ON c.customerID = e.employee_ID
WHERE e.name = 'Amirs khaled';

select * from customer;
select * from employee;

```

Properties

Current connection parameters

Aggregate Status

Connection failures: 00:00:00.047
Elapsed time: 12/23/2023 9:10:16 AM
Finish time: ALMAZIDI
Name: ALMAZIDI
Rows returned: 8
Start time: 12/23/2023 9:10:16 AM
State: Open

Connection

Connection name: ALMAZIDI (ALMAZIDI\muzam)

Connection Details

Connection elapsed time: 00:00:00.047
Connection encryption: Not encrypted
Connection finish time: 12/23/2023 9:10:16 AM
Connection rows returned: 8
Connection start time: 12/23/2023 9:10:16 AM
Connection state: Open
Display name: ALMAZIDI
Login name: ALMAZIDI\muzam
Server name: ALMAZIDI
Server version: 15.0.2000
Session Tracing ID: 83
SPID: 83

Results

Messages

customerID	phone_num	date_bth	name	address
1	96695	1985-12-15	Ahmed	Salalah

customerID	phone_num	date_bth	name	address
1	96512	1880-05-20	Mozza	Muzcat
2	96695	1985-12-15	Ahmed	Salalah
3	96755	1990-07-30	Fatma	Sohar

employee_ID	Position	name	BranchID
1	Manager	Ali	NULL
2	Supervisor	Sami	NULL
3	Director	Ahmed	NULL
4	Assistant Manager	Hamed	NULL

Query executed successfully.

ALMAZIDI (15.0 RTM) ALMAZIDI\muzam (83) BankDBB 00:00:00 8 rows

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9:10 AM 12/23/2023

Bank JOIN.q - ALMAZDI\BankDBB (ALMAZDI\mazam (83)) * - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

SQL book1.x - ALMAZDI\mazam (54) Bank JOIN.q - ALMAZDI\mazam (83) * - SQLQuery1.sql - A...AZDI\mazam (80)

```

2023 ON I.Customer_ID = b.branchid
WHERE I.amount > 2000
AND I.address = 'Salalah Downtown';

--Find all customers assisted by employee "Sami"-- 
SELECT c.* 
FROM customer c
JOIN employee e ON customerID = employee_ID
JOIN employee e ON c.customerID = e.employee_ID
WHERE e.name = 'Sami';
--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
  JOIN account a ON c.customerID = a.customerID
 ORDER BY a.accountType;

select* from customer
select* from account

```

Results Messages

customer_name	account_num	accountType	balance
Ahmed	2	Checking	601
Fatma	3	Savings	1501
Maza	1	Savings	100

customerID	phone_num	date_born	name	address
1	96512	1980-05-20	Maza	Muscat
2	96895	1985-12-15	Ahmed	Salalah
3	96755	1990-07-30	Fatma	Sohar

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

Query executed successfully.

ALMAZDI (15.0 RTM) ALMAZDI\mazam (83) BankDBB 00:00:00 9 rows

Properties

Current connection parameters

Aggregate Status

- Connection failures: 00:00:00,547
- Elapsed time: 12/23/2023 9:29:39 AM
- Finish time: ALMAZDI
- Rows returned: 9
- Start time: 12/23/2023 9:29:38 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)
- Connection properties: Connection string: Connection timeout: 00:00:00,547 Connection encryption: Not encrypted Connection finish time: 12/23/2023 9:29:39 AM Connection rows returned: 9 Connection start time: 12/23/2023 9:29:38 AM Connection state: Open Display name: ALMAZDI Login name: ALMAZDI\mazam Server name: ALMAZDI Server version: 15.0.2000 Session Tracing ID: 83 SPID: 83

Name: The name of the connection.

Bank JOIN.q - ALMAZDI\BankDBB (ALMAZDI\mazam (83)) * - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

SQL book1.x - ALMAZDI\mazam (54) Bank JOIN.q - ALMAZDI\mazam (83) * - SQLQuery1.sql - A...AZDI\mazam (80)

```

SELECT
    l.Loan_ID,
    c.name AS customer_name,
    e.name AS employee_name,
    b.name AS branch_name
  FROM Loans l
  JOIN Customer c
    ON c.customer_ID = c.customerID
  JOIN Employee e
    ON l.employee_ID = e.employee_ID
  JOIN 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	All	NULL

employee_ID	Position	name	BranchID
1	Manager	All	NULL
2	Supervisor	Sami	NULL
3	Director	Ahmed	NULL
4	Assistant Manager	Hamed	NULL

Query executed successfully.

ALMAZDI (15.0 RTM) ALMAZDI\mazam (83) BankDBB 00:00:00 5 rows

Properties

Current connection parameters

Aggregate Status

- Connection failures: 00:00:00,033
- Elapsed time: 12/23/2023 11:12:05 AM
- Finish time: ALMAZDI
- Rows returned: 5
- Start time: 12/23/2023 11:12:05 AM
- State: Open

Connection

- Connection name: ALMAZDI (ALMAZDI\mazam)
- Connection properties: Connection elapsed time: 00:00:00,033 Connection encryption: Not encrypted Connection finish time: 12/23/2023 11:12:05 AM Connection rows returned: 5 Connection start time: 12/23/2023 11:12:05 AM Connection state: Open Display name: ALMAZDI Login name: ALMAZDI\mazam Server name: ALMAZDI Server version: 15.0.2000 Session Tracing ID: 83 SPID: 83

Name: The name of the connection.

BankJOIN4.sql - ALMAZDI\BankDBB (ALMAZDI\mozam (83)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

SQL BankJOIN4_ALMAZDI\mozam (54) BankJOIN4_A.._ALMAZDI\mozam (83)* SQLQuery1.sql A.._ALMAZDI\mozam (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 Messages

customerID	name	transactions_ID	Date	amount	withdrawals	deposits	transfers
1	Mozza	1	2000-11-15	500	ATM	NULL	NULL
2	Ahmed	2	1988-02-11	600	cash	NULL	NULL
3	Fatma	3	2001-03-12	700	Cheque	NULL	NULL

customerID	phone_num	date_birth	name	address
1	96512	1980-05-20	Mozza	Muscat
2	96895	1985-12-15	Ahmed	Salalah
3	96755	1990-07-30	Fatma	Sohar

transactions_ID	Date	amount	withdrawals	deposits	transfers	Account_num
1	2000-11-15	500	ATM	NULL	NULL	1
2	1988-02-11	600	cash	NULL	NULL	2
3	2001-03-12	700	Cheque	NULL	NULL	3

Query executed successfully.

Properties

Current connection parameters

Aggregate Status

- Connection failures: 00:00:00.069
- Last check time: 12/23/2023 11:21:56 AM
- Name: ALMAZDI
- Rows returned: 9
- Start time: 12/23/2023 11:21:56 AM
- State: Open

Connection

- Connection name: ALMAZDI\ALMAZDI\mozam

Connection Details

- Connection type: Local
- Connection time: 03:00:00:009
- Connection encryption: Not encrypted
- Connection finish time: 12/23/2023 11:21:56 AM
- Connection rows returned: 9
- Connection start time: 12/23/2023 11:21:56 AM
- Connection state: Open
- Display name: ALMAZDI
- Login name: ALMAZDI\mozam
- Server name: ALMAZDI
- Server version: 15.0.2000
- Session Tracing ID: 83
- SPID: 83

Name: The name of the connection.

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Search 11:23 AM 12/23/2023 ENG