

Banking.sql - DESK-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

Object Explorer

Connect to: DESK-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\fatih (54))

100% -

CREATE DATABASE BankingSystem;  
USE BankingSystem;

Results Messages

BranchID Address Phone\_Number

1	Muscat Main Branch	24111111
2	Sababih Branch	23222222
3	Sohar Branch	26233333

CustomerID Name Address DOB

1	Fatiha Alahdi	Muscat	2000-01-01
2	Ahmed Al	Sababih	1998-05-10
3	Sara Mohamed	Sohar	2001-09-15

CustomerID Phone\_Number

1	91234567
2	92345678
3	93456789

EmployeeID BranchID Name Position

1	1	Ali Hassan	Manager
2	2	Mona Saleh	Loan Officer
3	3	Khalid Omar	Teller

Account\_Number CustomerID Balance Savings Checking Date\_of\_Creation

1	100000	1	10000.00	1	0	2023-03-15
2	100001	2	25000.00	0	1	2022-07-20
3	100002	3	4000.00	1	1	2023-11-09

LoanID CustomerID EmployeeID Amount Type Issue\_Date

1	1	2	150000.00	Home Loan	2019-06-01
2	2	1	80000.00	Car Loan	2018-09-10
3	3	3	200000.00	Business ...	2009-02-20

TransactionID Account\_Number Transaction\_Date Amount Type Withdrawals Deposits Transfers

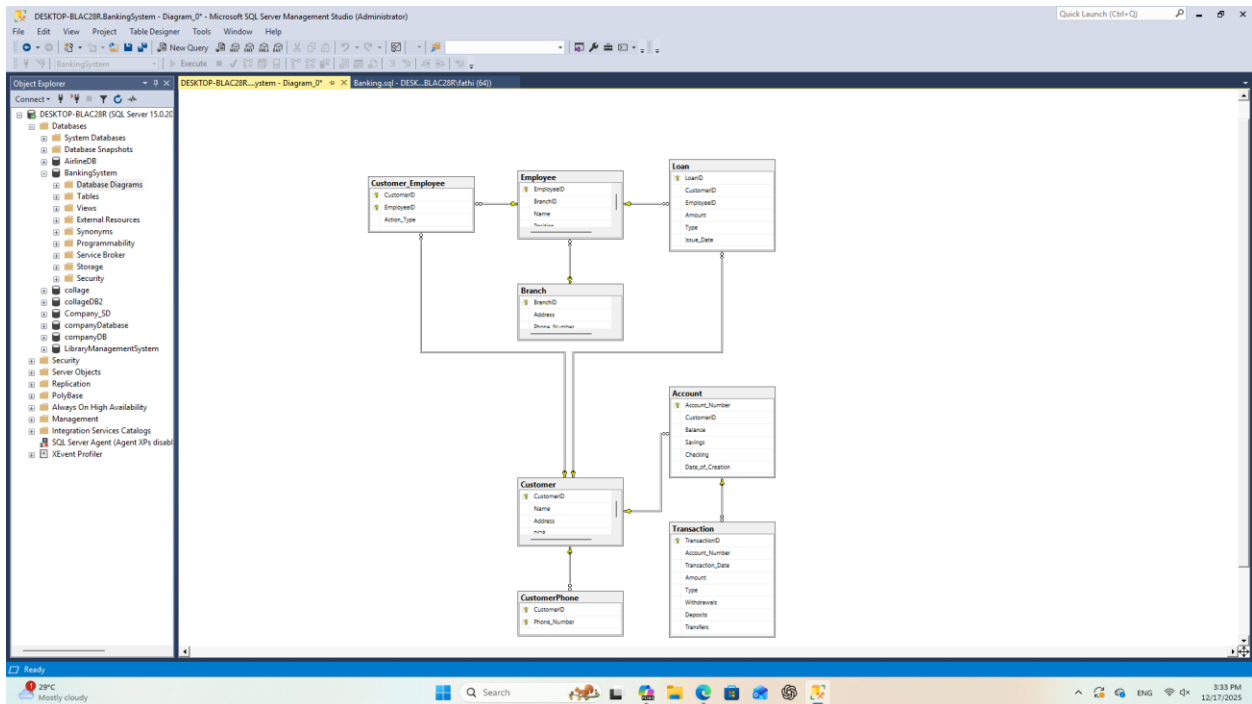
1	1	100000	2024-01-05	2000.00	Withdrawal	1	0	0
2	2	100001	2024-02-10	5000.00	Deposit	0	1	0
3	3	100002	2024-03-12	3000.00	Transfer	0	0	1

CustomerID EmployeeID Action\_Type

1	1	2	Loan Approval
2	2	1	Account Opening
3	3	3	Transaction As...

Query executed successfully.

DESKTOP-BLAC2BR (15.0 KTM) DESKTOP-BLAC2BR\fatih... BankingSystem: 00:00:00 24 rows



Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\Fathi (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR (SQL Server 15.0.0.20)

- System Databases
- Database Snapshots
- AdventureWorks
- BankingSystem
  - Database Diagrams
  - Tables
  - Views
  - External Resources
  - Synonyms
  - Programmability
  - Service Broker
  - Storage
  - Security
  - collage
  - collageDB2
  - Company\_3D
  - companyDatabase
  - CompanyDB
  - LibraryManagementSystem
  - Server Objects
  - Security
  - Replication
  - PolyBase
  - Always On High Availability
  - Management
  - Integration Services Catalogs
  - SQL Server Agent (Agent XPs disabled)
  - XEvent Profiler

```

(1, 2, 150000, 'Home Loan', '2018-06-01'),
(2, 1, 80000, 'Car Loan', '2018-09-18'),
(3, 3, 200000, 'Business Loan', '2005-02-20');

INSERT INTO [Transaction]
(Account_Number, Transaction_Date, Amount, Type, Withdrawals, Deposits, Transfers)
VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-02-10', 5000, 'Deposit', 0, 1, 0),
(100002, '2024-03-12', 3000, 'Transfer', 0, 0, 1);

INSERT INTO Customer_Employee (CustomerID, EmployeeID, Action_Type)
VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

```

Results Messages

	FullName	Phone_Number	MembershipStartDate
1	Fathya Alahd	9234567	2023-03-15
2	Ahmed Ali	92345678	2022-07-20
3	Sara Mohamed	93456789	2023-11-05

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\Fathi (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR (SQL Server 15.0.0.20)

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  - companyDatabase
  - CompanyDB
  - LibraryManagementSystem
  - Server Objects
  - Security
  - Replication
  - PolyBase
  - Always On High Availability
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  - SQL Server Agent (Agent XPs disabled)
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```

INSERT INTO [Transaction]
(Account_Number, Transaction_Date, Amount, Type, Withdrawals, Deposits, Transfers)
VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-02-10', 5000, 'Deposit', 0, 1, 0),
(100002, '2024-03-12', 3000, 'Transfer', 0, 0, 1);

INSERT INTO Customer_Employee (CustomerID, EmployeeID, Action_Type)
VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

```

Results Messages

	LoanID	Amount	Type
1	1	150000.00	Home Loan
2	2	80000.00	Car Loan
3	3	200000.00	Business Loan

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\Fatih) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2080.1) > Databases > BankingSystem > Tables

Query Editor: BankingSystem - DESKTOP-BLAC2BR (Fatih) > Banking diagram

```
VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-01-10', 5000, 'Deposit', 0, 1, 0),
(100002, '2024-03-12', 2000, 'Transfer', 0, 0, 1);

INSERT INTO Customer_Employee (CustomerID, EmployeeID, Action_Type)
VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;
```

Results: Messages

Account_Number	AnnualInterest
100000	500.0000
100001	1250.0000
100002	200.0000

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\Fatih... BankingSystem 00:00:00 3 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\Fatih) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2080.1) > Databases > BankingSystem > Tables

Query Editor: BankingSystem - DESKTOP-BLAC2BR (Fatih) > Banking diagram

```
VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;
```

Results: Messages

CustomerID	Name
1	Fatima Alahdi
3	Sara Mohamed

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\Fatih... BankingSystem 00:00:00 2 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2008.1) | Databases | BankingSystem | Database Diagrams | Tables

Query Editor: (3, 3, 'Transaction Assistance');

```
-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;

SELECT * FROM Account
WHERE Balance > 20000;
```

Results: 1 row(s)

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100001	2	25000.00	0	1	2022-07-20

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 1 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2008.1) | Databases | BankingSystem | Database Diagrams | Tables

Query Editor: (3, 3, 'Transaction Assistance');

```
-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;

SELECT * FROM Account
WHERE Balance > 20000;

SELECT * FROM Account
WHERE YEAR(Date_of_Creation) = 2023;
```

Results: 2 row(s)

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100000	1	10000.00	1	0	2023-03-15
100002	3	4000.00	1	1	2023-11-05

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 2 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2081.1) > Databases > BankingSystem > Tables

```

SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;

SELECT * FROM Account
WHERE Balance > 20000;

SELECT * FROM Account
WHERE YEAR(Date_of_Creation) = 2023;

SELECT * FROM Account
ORDER BY Balance DESC;

```

Results: 3 rows

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100001	2	25000.00	0	1	2022-07-20
100000	1	10000.00	1	0	2023-03-15
100002	3	4000.00	1	1	2023-11-05

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 3 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2081.1) > Databases > BankingSystem > Tables

```

SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;

SELECT * FROM Account
WHERE Balance > 20000;

SELECT * FROM Account
WHERE YEAR(Date_of_Creation) = 2023;

SELECT * FROM Account
ORDER BY Balance DESC;

SELECT MAX(Balance) AS MaxBalance,
       MIN(Balance) AS MinBalance,
       AVG(Balance) AS AvgBalance
FROM Account;

```

Results: 1 row

MaxBalance	MinBalance	AvgBalance
25000.00	4000.00	13000.000000

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 1 rows



Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) > Databases > BankingSystem > Database Diagrams > BankingDiagram

```

--SELECT Account_Number,
--      Balance * 0.05 AS AnnualInterest
--FROM Account;

--SELECT DISTINCT c.CustomerID, c.Name
--FROM Customer c
--JOIN Loan l ON c.CustomerID = l.CustomerID
--WHERE l.Amount > 100000;

--SELECT * FROM Account
--WHERE Balance > 20000;

--SELECT * FROM Account
--WHERE YEAR(Date_of_Creation) = 2023;

--SELECT * FROM Account
--ORDER BY Balance DESC;

--SELECT
--      MAX(Balance) AS MaxBalance,
--      MIN(Balance) AS MinBalance,
--      AVG(Balance) AS AvgBalance
--FROM Account;

--SELECT COUNT(*) AS TotalCustomers
--FROM Customer;

--SELECT c.CustomerID, c.Name
--FROM Customer c
--LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
--WHERE cp.Phone_Number IS NULL;

--SELECT *
--FROM Loan
--WHERE DATEPART(YEAR, Issue_Date, GETDATE()) < 10;

```

Results: 2 rows

LoanID	CustomerID	EmployeeID	Amount	Type	Issue_Date
1	1	2	150000.00	Home Loan	2010-06-01
2	3	3	200000.00	Business Loan	2005-02-20

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 2 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) > Databases > BankingSystem > Database Diagrams > BankingDiagram

```

VALUES
(1, 2, 150000, 'Home Loan', '2010-06-01'),
(2, 1, 80000, 'Car Loan', '2010-09-18'),
(3, 3, 200000, 'Business Loan', '2005-02-20');

--INSERT INTO [Transaction]
--(Account_Number, Transaction_Date, Amount, Type, Withdrawals, Deposits, Transfers)
--VALUES
--(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
--(100001, '2024-02-10', 5000, 'Deposit', 0, 1, 0),
--(100002, '2024-03-12', 3000, 'Transfer', 0, 0, 1);

--INSERT INTO Customer_Employee (CustomerID, EmployeeID, Action_Type)
--VALUES
--(1, 2, 'Loan Approval'),
--(2, 1, 'Account Opening'),
--(3, 3, 'Transaction Assistance');

--select-----
--SELECT * FROM Branch;
--SELECT * FROM Customer;
--SELECT * FROM CustomerPhone;
--SELECT * FROM Employee;
--SELECT * FROM Account;
--SELECT * FROM Loan;
--SELECT * FROM [Transaction];
--SELECT * FROM Customer_Employee;

--SELECT c.Name AS FullName,
--      cp.Phone_Number,
--      a.Date_of_Creation AS MembershipStartDate
--FROM Customer c
--LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
--LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

```

Results: 4 rows

CustomerID	Name	Address	DOB
1	Fahya Afahd	Muscat	2000-01-01
2	Ahmed Al	Sabab	1998-05-10
3	Sara Mohamed	Suwa	2001-09-15
4	Fahya Afahd	Oman	2000-01-01

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 4 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2080.1) > Databases > BankingSystem > Tables

Query Editor: Banking diagram - BankingSystem - DESKTOP-BLAC2BR\fatih (54) > Execute

```
INSERT INTO Loan (CustomerID, EmployeeID, Amount, Type, Issue_Date)
VALUES
(1, 2, 150000, 'Home Loan', '2018-06-01'),
(2, 1, 80000, 'Car Loan', '2018-09-18'),
(3, 3, 200000, 'Business Loan', '2005-02-20');

INSERT INTO [Transaction] (Account_Number, Transaction_Date, Amount, Type, Withdrawals, Deposits, Transfers)
VALUES
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SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
cp.Phone_Number,
a.Date_of_Creation AS MembershipStartDate
FROM Customer c
FROM Customer c
```

Results: Messages

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100000	1	10000.00	1	0	2023-03-15
100001	2	25000.00	0	1	2022-07-20
100002	3	4000.00	1	1	2023-11-05
100003	5	10000.00	1	0	2025-12-17

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih... BankingSystem 00:00:00 4 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

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Query Editor: Banking diagram - BankingSystem - DESKTOP-BLAC2BR\fatih (54) > Execute

```
INSERT INTO Loan (CustomerID, EmployeeID, Amount, Type, Issue_Date)
VALUES
(1, 2, 150000, 'Home Loan', '2018-06-01'),
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SELECT * FROM Branch;
SELECT * FROM Customer;
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SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
cp.Phone_Number,
a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID
```

Results: Messages

CustomerID	Name	Address	DOB
1	Fatima Alahdi	Muscat	2000-01-01
2	Ahmed Al	Salalah	1998-05-10
3	Sara Mohamed	Suwayh	2001-09-15
4	Fatima Alahdi	Oman	2000-01-01
5	Fatima Alahdi	Oman	2000-01-01
6	Ahmed Al	NULL	1998-05-10

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih... BankingSystem 00:00:00 6 rows



Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.0) > Databases > BankingSystem > Database Diagrams > Tables

Banking.sql - DESKTOP-BLAC2BR (fatih (54))

```
VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-02-10', 5000, 'Deposit', 0, 1, 0),
(100002, '2024-03-12', 3000, 'Transfer', 0, 0, 1);

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SELECT * FROM Branch;
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SELECT * FROM CustomerPhone;
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SELECT * FROM Transaction;
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;
```

Results

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100000	1	12000.00	1	0	2023-03-15
100001	2	25000.00	0	1	2022-07-20
100002	3	4000.00	1	1	2023-11-05
100003	5	12000.00	1	0	2025-12-17

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... BankingSystem 00:00:00 4 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.0) > Databases > BankingSystem > Database Diagrams > Tables

Banking.sql - DESKTOP-BLAC2BR (fatih (54))

```
VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-02-10', 5000, 'Deposit', 0, 1, 0),
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(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM Transaction;
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;
```

Results

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100000	1	12000.00	1	0	2023-03-15
100001	2	25000.00	0	1	2022-07-20
100002	3	4200.00	1	1	2023-11-05
100003	5	12000.00	1	0	2025-12-17

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih ... BankingSystem 00:00:00 4 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.0) > Databases > BankingSystem > Database Diagrams > Tables

```

VALUES
(100000, '2024-01-05', 2000, 'Withdrawal', 1, 0, 0),
(100001, '2024-01-10', 5000, 'Deposit', 0, 1, 0),
(100002, '2024-03-12', 3000, 'Transfer', 0, 0, 1);

INSERT INTO Customer_Employee (CustomerID, EmployeeID, Action_Type)
VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

```

Results: 3 rows

CustomerID	Phone_Number
1	91234567
2	92345678
3	93456789

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 3 rows

Banking.sql - DESKTOP-BLAC2BR\BankingSystem (DESKTOP-BLAC2BR\fatih (54)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.0) > Databases > BankingSystem > Database Diagrams > Tables

```

VALUES
(1, 2, 'Loan Approval'),
(2, 1, 'Account Opening'),
(3, 3, 'Transaction Assistance');

-----select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM CustomerPhone;
SELECT * FROM Employee;
SELECT * FROM Account;
SELECT * FROM Loan;
SELECT * FROM [Transaction];
SELECT * FROM Customer_Employee;

SELECT c.Name AS FullName,
       cp.Phone_Number,
       a.Date_of_Creation AS MembershipStartDate
FROM Customer c
LEFT JOIN CustomerPhone cp ON c.CustomerID = cp.CustomerID
LEFT JOIN Account a ON c.CustomerID = a.CustomerID;

SELECT LoanID, Amount, Type
FROM Loan;

SELECT Account_Number,
       Balance * 0.05 AS AnnualInterest
FROM Account;

SELECT DISTINCT c.CustomerID, c.Name
FROM Customer c
JOIN Loan l ON c.CustomerID = l.CustomerID
WHERE l.Amount > 100000;

```

Results: 4 rows

Account_Number	CustomerID	Balance	Savings	Checking	Date_of_Creation
100000	1	12000.00	1	0	2023-03-15
100001	2	25000.00	0	1	2022-07-20
100002	3	4200.00	1	1	2023-11-05
100003	5	12000.00	1	0	2025-12-17

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) DESKTOP-BLAC2BR\fatih (54) BankingSystem 00:00:00 4 rows