

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

UPDATE Account
SET Balance = Balance + 1.05
WHERE Balance < 5000;

UPDATE CustomerPhone
SET Phone_Number = 'Not Provided'
WHERE Phone_Number IS NULL;

DELETE FROM Account
WHERE Balance = 0;

-----Join-----

SELECT
    b.BranchID,
    b.BranchName,
    e.Name AS Manager_Name
FROM Branch b
JOIN Employee e
ON b.BranchID = e.BranchID
WHERE e.Position = 'Manager';

```

100 %

Results Messages

BranchID	Branch_Name	Manager_Name
1	Muscat Main Branch	Ali Hassan

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

WHERE Balance = 0;

-----Join-----

SELECT
    b.BranchID,
    b.Address AS Branch_Name,
    e.Name AS Manager_Name
FROM Branch b
JOIN Employee e
ON b.BranchID = e.BranchID
WHERE e.Position = 'Manager';

-----Select-----

SELECT
    b.Address AS Branch_Name,
    a.Account_Number
FROM Branch b
JOIN Account a ON b.BranchID = a.BranchID
JOIN Loan l ON a.EmployeeID = l.EmployeeID
JOIN Account c ON l.CustomerID = c.CustomerID;

```

100 %

Results Messages

Branch_Name	Account_Number
Salah Branch	100000
Muscat Main Branch	100001
Sohar Branch	100002

Query executed successfully.

Banking.sql - DESKTOP-BLAC28R.BankingSystem (DESKTOP-BLAC28R\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

-->----->Join
-->----->SELECT
    b.BranchID,
    b.Address AS Branch_Name,
    e.Name AS Manager_Name
  FROM Branch b
  JOIN Branch e
    ON b.BranchID = e.BranchID
   WHERE e.Position = 'Manager';

-->----->SELECT
    b.Address AS Branch_Name,
    a.Account_Number
  FROM Branch b
  JOIN Employee e ON b.BranchID = e.BranchID
  JOIN Loan l ON e.EmployeeID = l.EmployeeID
  JOIN Account a ON l.CustomerID = a.CustomerID;

-->----->SELECT
    c.CustomerID,
    c.Name,
    c.Address,
    c.DOB,
    l.LoanID,
    l.Amount,
    l.Type,
    l.Issue_Date
  FROM Customer c
  JOIN Loan l
    ON c.CustomerID = l.CustomerID;

```

Results

	CustomerID	Name	Address	DOB	LoanID	Amount	Type	Issue Date
1	1	Fathya Afandi	Muscat	2000-01-01	1	150000.00	Home Loan	2010-06-01
2	2	Ahmed Ali	Salalah	1998-05-10	2	80000.00	Car Loan	2018-05-10
3	3	Sara Mohammed	Sohar	2001-09-15	3	200000.00	Business Loan	2005-02-20

Query executed successfully.

Banking.sql - DESKTOP-BLAC28R.BankingSystem (DESKTOP-BLAC28R\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

-->----->SELECT
    c.CustomerID,
    c.Name,
    c.Address,
    c.DOB,
    l.LoanID,
    l.Amount,
    l.Type,
    l.Issue_Date
  FROM Customer c
  JOIN Loan l
    ON c.CustomerID = l.CustomerID;

-->----->SELECT
    l.LoanID,
    l.CustomerID,
    e.EmployeeID,
    b.BranchID
  FROM Loan l
  JOIN Employee e ON l.EmployeeID = e.EmployeeID
  JOIN Branch b ON l.BranchID = b.BranchID
  WHERE b.Address LIKE '%Muscat%'
  OR b.Address LIKE '%Sohar%';

```

Results

	LoanID	CustomerID	EmployeeID	BranchID		
1	2	2	1	80000.00	Car Loan	2018-05-10
2	3	3	3	200000.00	Business Loan	2005-02-20

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT
    c.CustomerID,
    c.Name,
    c.Address,
    c.DOB,
    l.LoanID,
    l.Amount,
    l.Type,
    l.Issue_Date
FROM Customer c
JOIN Loan l
    ON c.CustomerID = l.CustomerID;

SELECT
    l.
FROM Loan l
JOIN Employee e ON l.EmployeeID = e.EmployeeID
JOIN Branch b ON e.BranchID = b.BranchID
WHERE b.Address LIKE '%Mumbai%'
    OR b.Address LIKE '%Nashik%';

SELECT
    a.
FROM Account a
WHERE Savings = 1;

```

Results

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

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT
    l.Issue_Date
FROM Customer c
JOIN Loan l
    ON c.CustomerID = l.CustomerID;

SELECT
    l.
FROM Loan l
JOIN Employee e ON l.EmployeeID = e.EmployeeID
JOIN Branch b ON e.BranchID = b.BranchID
WHERE b.Address LIKE '%Mumbai%'
    OR b.Address LIKE '%Aurangabad%';

SELECT
    a.
FROM Account a
WHERE Savings = 1;

SELECT
    c.CustomerID,
    c.Name,
    a.Account_Number,
    a.Balance
FROM Customer c
JOIN Account a
    ON c.CustomerID = a.CustomerID
WHERE a.Balance BETWEEN 20000 AND 50000;

```

Results

	CustomerID	Name	Account_Number	Balance
1	2	Ahmed Ali	100001	25000.00

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT * 
FROM Branch b 
INNER JOIN Account a 
ON b.BranchID = a.BranchID 
WHERE b.Address LIKE '%Muscat%' 
OR b.Address LIKE '%Sohar%';

SELECT * 
FROM Account a 
WHERE Savings = 1;

SELECT * 
FROM Customer c 
JOIN Account a 
ON c.CustomerID = a.CustomerID 
WHERE a.Balance BETWEEN 20000 AND 50000;

SELECT DISTINCT 
c.CustomerID, 
c.Name, 
a.Account_Number, 
a.Balance 
FROM Customer c 
JOIN Loan l ON c.CustomerID = l.CustomerID 
JOIN Employee e ON l.EmployeeID = e.EmployeeID 
JOIN Branch b ON l.BranchID = b.BranchID 
WHERE l.Amount > 100000 
AND b.Address = 'Muscat Main Branch';

```

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\yathi (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT * 
FROM Account a 
WHERE a.Balance BETWEEN 20000 AND 50000;

SELECT DISTINCT 
c.CustomerID, 
c.Name, 
a.Account_Number, 
a.Balance 
FROM Customer c 
JOIN Loan l ON c.CustomerID = l.CustomerID 
JOIN Employee e ON l.EmployeeID = e.EmployeeID 
JOIN Branch b ON l.BranchID = b.BranchID 
WHERE l.Amount > 100000 
AND b.Address = 'Muscat Main Branch';

SELECT * 
FROM Customer c 
JOIN Customer_Employee ce 
ON c.CustomerID = ce.CustomerID 
JOIN Employee e 
ON ce.EmployeeID = e.EmployeeID 
WHERE e.Name = 'Shalid Dar';

```

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\fatih (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT
    c.CustomerID,
    c.Name,
    a.Account_Number,
    CASE
        WHEN a.Savings = 1 THEN 'Savings'
        WHEN a.Checking = 1 THEN 'Checking'
        ELSE 'Other'
    END AS Account_Type
FROM Customer c
JOIN Account a
ON c.CustomerID = a.CustomerID
ORDER BY Account_Type;

```

Results

Name	Account_Number	Account_Type
Ahmed Ali	100001	Checking
Sara Mohammed	100002	Savings
Fatiya Afahdi	100003	Savings
Fatiya Afahdi	100000	Savings

Query executed successfully.

Banking.sql - DESKTOP-BLAC2BR.BankingSystem (DESKTOP-BLAC2BR\fatih (51)) - Microsoft SQL Server Management Studio (Administrator)

```

SELECT
    l.LoanID,
    c.Name AS Customer_Name,
    e.Name AS Employee_Name,
    b.Address AS Branch_Name
FROM Loan l
JOIN Customer c ON l.CustomerID = c.CustomerID
JOIN Employee e ON l.EmployeeID = e.EmployeeID
JOIN Branch b ON l.BranchID = b.BranchID
WHERE b.Address LIKE '%Salah%';

```

Results

LoanID	Customer_Name	Employee_Name	Branch_Name
1	Fatiya Afahdi	Mona Saleh	Salah Branch

Query executed successfully.

Banking.sql - DESKTOP-BLAC28R.BankingSystem (DESKTOP-BLAC28R\fathi (51)) - Microsoft SQL Server Management Studio (Administrator)

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BankingSystem

Execute

Banking.sql - DESKTOP-BLAC28R\fathi (51) * x

```
SELECT
    a.Name,
    a.Account_Number,
    CASE
        WHEN a.Savings = 1 THEN 'Savings'
        WHEN a.Checking = 1 THEN 'Checking'
        ELSE 'Other'
    END AS Account_Type
FROM Customer a
JOIN Accounts c
ON a.Customer_ID = c.CustomerID
ORDER BY Account_Type;
```

```
SELECT
    l.EmployeeID,
    c.Name AS Customer_Name,
    e.Name AS Employee_Name,
    b.Address AS Branch_Name
FROM Customer c ON l.CustomerID = c.CustomerID
JOIN Employee e ON l.EmployeeID = e.EmployeeID
JOIN Branch b ON e.BranchID = b.BranchID
WHERE b.Address LIKE '%Salah%';
```

```
SELECT
    e.EmployeeID,
    c.Name,
    b.Address AS Branch_Name
FROM Employee e
JOIN Branch b
ON e.BranchID = b.BranchID
WHERE e.Position = 'Manager';
```

100 %

Results Messages

	EmployeeID	Name	Branch_Name
1	1	Ali Hassan	Muscat Main Branch

Query executed successfully.

DESKTOP-BLAC28R (15.0 RTM) DESKTOP-BLAC28R\fathi ... BankingSystem 00:00:00 1 Rows

Ready

To the record

Search

8:18 AM

12/22/2023

Banking.sql - DESKTOP-BLAC20R\BankingSystem [DESKTOP-BLAC20R\faith (51)] - Microsoft SQL Server Management Studio (Administrator)

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BankingSystem

Object Explorer

Banking.sql - DESKTOP-BLAC20R\faith (51) - x

```
SELECT
    l.LoanID,
    c.Name AS Customer_Name,
    e.Name AS Employee_Name,
    b.Address AS Branch_Name
FROM Loan l
JOIN Customer c ON l.CustomerID = c.CustomerID
JOIN Employee e ON l.EmployeeID = e.EmployeeID
JOIN Branch b ON e.BranchID = b.BranchID
WHERE b.Address LIKE '%Sealane%';

SELECT
    e.EmployeeID,
    e.Name,
    b.Address AS Branch_Name
FROM Employee e
JOIN Branch b
ON e.BranchID = b.BranchID
WHERE e.Position = 'Manager';

SELECT
    c.CustomerID,
    c.Name,
    t.TransactionID,
    t.Transaction_Date,
    t.Amount,
    t.Type
FROM Customer c
LEFT JOIN Account a
ON c.CustomerID = a.CustomerID
LEFT JOIN [Transaction] t
ON a.Account_Number = t.Account_Number;
```

Results Messages

	CustomerID	Name	TransactionID	Transaction_Date	Amount	Type
1	1	Fatima Afahnd	2	2024-01-05	2000	Withdraw
2		Ahmed Ali	2	2024-02-10	5000	Deposit
3	3	Saa Mohammed	3	2024-03-12	3000	Transfer
4	4	Fatima Afahnd	NULL	NULL	NULL	NULL
5	5	Fatima Afahnd	NULL	NULL	NULL	NULL
6	6	Ahmed Ali	NULL	NULL	NULL	NULL

Query executed successfully.

Ready

To the record

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DESKTOP-BLAC20R (15.0 RTM) DESKTOP-BLAC20R\faith ... BankingSystem 00:00:00 6 rows

12/22/2023

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