

Banking Database

1. Create Table

```
CREATE TABLE Banking (  
    RecordID INT PRIMARY KEY,  
    CustomerID INT,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    Email VARCHAR(100),  
    PhoneNumber VARCHAR(15),  
    AccountID INT,  
    AccountType VARCHAR(20),  
    Balance DECIMAL(15, 2),  
    TransactionID INT,  
    TransactionDate DATE,  
    Amount DECIMAL(15, 2),  
    TransactionType VARCHAR(20),  
    AccountStatus VARCHAR(20) DEFAULT 'Active'  
);
```

2. Alter Table

```
ALTER TABLE Banking  
ADD COLUMN Address VARCHAR(255);
```

```
ALTER TABLE Banking  
MODIFY COLUMN Email VARCHAR(150);
```

3. Insert Data

```
INSERT INTO Banking (RecordID, CustomerID, FirstName, LastName, Email, PhoneNumber,  
AccountID, AccountType, Balance, TransactionID, TransactionDate, Amount, TransactionType,  
AccountStatus)  
VALUES (1, 1, 'John', 'Doe', 'johndoe@example.com', '1234567890', 101, 'Savings', 5000.00, 1001,  
'2024-08-30', 1000.00, 'Deposit', 'Active');
```

4. Update Data

UPDATE Banking

SET Balance = Balance + 2000.00

WHERE AccountID = 101;

UPDATE Banking

SET Email = 'john.doe@newemail.com'

WHERE CustomerID = 1;

UPDATE Banking

SET AccountStatus = 'Inactive'

WHERE AccountID = 101;

5. Delete Data

DELETE FROM Banking

WHERE TransactionID = 1001;

DELETE FROM Banking

WHERE CustomerID = 1;

DELETE FROM Banking

WHERE AccountID = 101;

6. Drop Table

DROP TABLE IF EXISTS Banking;

7. Select Queries

SELECT * FROM Banking;

SELECT CustomerID, FirstName, LastName, Balance FROM Banking;

SELECT * FROM Banking WHERE Balance > 5000.00;

```
SELECT * FROM Banking WHERE AccountStatus = 'Inactive';
```

```
SELECT * FROM Banking  
WHERE CustomerID = 1;
```

```
SELECT TransactionID, TransactionDate, Amount, TransactionType  
FROM Banking  
WHERE AccountID = 101;
```

```
SELECT SUM(Balance) AS TotalBalance  
FROM Banking;
```

```
SELECT CustomerID, FirstName, LastName, AccountID, AccountType  
FROM Banking  
WHERE AccountStatus = 'Active';
```