SQL CODE FOR TRAGET TABLES

As per project requirement (SCD-1 for some tables and SCD-2 for others), here's a set of **customized target table code** for our 5 tables:

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1. Accounts – SCD Type 1

```
CREATE TABLE dbo.Account (

    AccountID INT PRIMARY KEY,

    CustomerID INT,

    AccountType VARCHAR(100),

    AccountBalance FLOAT,

    CreatedBy VARCHAR(100),

    CreatedDate DATETIME,

    UpdatedBy VARCHAR(100),

    UpdatedDate DATETIME,

    HashKey BIGINT

);
```

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2. Customers – SCD Type 2

```
CREATE TABLE dbo.Customer (

    CustomerID INT,

    FullName VARCHAR(255),

    LastName VARCHAR(255),

    FULL_Address VARCHAR(255),

    CreatedBy VARCHAR(100),

    CreatedDate DATETIME,

    UpdatedBy VARCHAR(100),

    UpdatedDate DATETIME,

    HashKey BIGINT,
```

```
    IsActive INT,

    PRIMARY KEY (CustomerID, HashKey)

);
```

3. LoanPayments – SCD Type 1 (Transactional Append)

```
CREATE TABLE dbo.LoanPayment (

    PaymentID INT PRIMARY KEY,

    LoanID INT,

    PaymentDate DATETIME,

    PaymentAmount FLOAT,

    CreatedBy VARCHAR(100),

    CreatedDate DATETIME,

    UpdatedBy VARCHAR(100),

    UpdatedDate DATETIME,

    HashKey BIGINT

);
```

4. Loans – SCD Type 2

```
CREATE TABLE dbo.Loan (

    LoanID INT,

    CustomerID INT,

    LoanAmount FLOAT,

    InterestRate FLOAT,

    LoanTerm INT,

    CreatedBy VARCHAR(100),

    CreatedDate DATETIME,

    UpdatedBy VARCHAR(100),

    UpdatedDate DATETIME,

    HashKey BIGINT,
```

```
    IsActive INT,

    PRIMARY KEY (LoanID, HashKey)

);
```

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5. Transactions – SCD Type 1

```
CREATE TABLE dbo.Transaction (

    TransactionID INT PRIMARY KEY,

    AccountID INT,

    TransactionDate DATETIME,

    TransactionAmount FLOAT,

    TransactionType VARCHAR(50),

    CreatedBy VARCHAR(100),

    CreatedDate DATETIME,

    UpdatedBy VARCHAR(100),

    UpdatedDate DATETIME,

    HashKey BIGINT

);
```