

## Schema to be Created

```
CREATE TABLE Customers (  
    CustomerID NUMBER PRIMARY KEY,  
    Name VARCHAR2(100),  
    DOB DATE,  
    Balance NUMBER,  
    LastModified DATE  
);
```

```
CREATE TABLE Accounts (  
    AccountID NUMBER PRIMARY KEY,  
    CustomerID NUMBER,  
    AccountType VARCHAR2(20),  
    Balance NUMBER,  
    LastModified DATE,  
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)  
);
```

```
CREATE TABLE Transactions (  
    TransactionID NUMBER PRIMARY KEY,  
    AccountID NUMBER,  
    TransactionDate DATE,  
    Amount NUMBER,  
    TransactionType VARCHAR2(10),  
    FOREIGN KEY (AccountID) REFERENCES Accounts(AccountID)  
);
```

```
CREATE TABLE Loans (  
    LoanID NUMBER PRIMARY KEY,  
    CustomerID NUMBER,  
    LoanAmount NUMBER,  
    InterestRate NUMBER,  
    StartDate DATE,  
    EndDate DATE,  
    FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)  
);
```

```
CREATE TABLE Employees (  
    EmployeeID NUMBER PRIMARY KEY,  
    Name VARCHAR2(100),  
    Position VARCHAR2(50),  
    Salary NUMBER,
```

```
    Department VARCHAR2(50),  
    HireDate DATE  
);
```

### **Example Scripts for Sample Data Insertion**

```
INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified)  
VALUES (1, 'John Doe', TO_DATE('1985-05-15', 'YYYY-MM-DD'), 1000, SYSDATE);
```

```
INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified)  
VALUES (2, 'Jane Smith', TO_DATE('1990-07-20', 'YYYY-MM-DD'), 1500, SYSDATE);
```

```
INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)  
VALUES (1, 1, 'Savings', 1000, SYSDATE);
```

```
INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)  
VALUES (2, 2, 'Checking', 1500, SYSDATE);
```

```
INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount,  
TransactionType)  
VALUES (1, 1, SYSDATE, 200, 'Deposit');
```

```
INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount,  
TransactionType)  
VALUES (2, 2, SYSDATE, 300, 'Withdrawal');
```

```
INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)  
VALUES (1, 1, 5000, 5, SYSDATE, ADD_MONTHS(SYSDATE, 60));
```

```
INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)  
VALUES (1, 'Alice Johnson', 'Manager', 70000, 'HR', TO_DATE('2015-06-15',  
'YYYY-MM-DD'));
```

```
INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)  
VALUES (2, 'Bob Brown', 'Developer', 60000, 'IT', TO_DATE('2017-03-20',  
'YYYY-MM-DD'));
```