CREATE TABLE Customers (

CustomerID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

DOB DATE,

Balance NUMBER,

LastModified DATE

);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES(1, 'John Doe', TO\_DATE('1950-05-15', 'YYYY-MM-DD'), 12000, 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 Customers (CustomerID, Name, DOB, Balance, LastModified)VALUES (3, 'Carlos Vega', TO\_DATE('1950-04-10', 'YYYY-MM-DD'), 20000, TO\_DATE('2025-06-27', 'YYYY-MM-DD'));

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (4, 'Sam Will', TO\_DATE('1980-03-01', 'YYYY-MM-DD'), 9500, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (5, 'Tom Wilson', TO\_DATE('1980-03-01', 'YYYY-MM-DD'), 9500, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (6, 'Sam Wilson', TO\_DATE('1980-03-01', 'YYYY-MM-DD'), 9500, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (7, 'Linda Park', TO\_DATE('1975-08-20', 'YYYY-MM-DD'), 14000, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (8, 'Mark Chen', TO\_DATE('1992-11-05', 'YYYY-MM-DD'), 7800, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (9, 'Nina Patel', TO\_DATE('1988-01-10', 'YYYY-MM-DD'), 12300, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (10, 'Chris Paul', TO\_DATE('1995-07-12', 'YYYY-MM-DD'), 11000, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (11, 'Ayesha Khan', TO\_DATE('1970-09-22', 'YYYY-MM-DD'), 8800, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (12, 'Raj Kumar', TO\_DATE('1965-02-18', 'YYYY-MM-DD'), 6700, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (13, 'Tina Hall', TO\_DATE('1999-12-25', 'YYYY-MM-DD'), 4500, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (14, 'Tom Hardy', TO\_DATE('1984-06-03', 'YYYY-MM-DD'), 8900, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (15, 'Sara Green', TO\_DATE('1987-04-14', 'YYYY-MM-DD'), 10100, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (16, 'Leo White', TO\_DATE('1990-08-17', 'YYYY-MM-DD'), 9200, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (17, 'Anita Das', TO\_DATE('1993-10-30', 'YYYY-MM-DD'), 7300, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (18, 'Rohan Mehta', TO\_DATE('1981-03-13', 'YYYY-MM-DD'), 16000, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (19, 'Emily Stone', TO\_DATE('1979-05-05', 'YYYY-MM-DD'), 8700, SYSDATE);

INSERT INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (20, 'Kevin Wu', TO\_DATE('1996-11-09', 'YYYY-MM-DD'), 10200, SYSDATE);

CREATE TABLE Accounts (

AccountID NUMBER PRIMARY KEY,

CustomerID NUMBER,

AccountType VARCHAR2(20),

Balance NUMBER,

LastModified DATE,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

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 Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)VALUES (3, 3, 'Savings', 20000, TO\_DATE('2025-06-27', 'YYYY-MM-DD'));

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)VALUES (4, 4, 'Checking', 8000, TO\_DATE('2025-06-27', 'YYYY-MM-DD'));

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified)VALUES (5, 5, 'Savings', 12000, TO\_DATE('2025-06-27', 'YYYY-MM-DD'));

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (6, 6, 'Savings', 9500, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (7, 7, 'Checking', 14000, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (8, 8, 'Savings', 7800, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (9, 9, 'Checking', 12300, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (10, 10, 'Savings', 11000, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (11, 11, 'Checking', 8800, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (12, 12, 'Savings', 6700, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (13, 13, 'Checking', 4500, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (14, 14, 'Savings', 8900, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (15, 15, 'Checking', 10100, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (16, 16, 'Savings', 9200, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (17, 17, 'Checking', 7300, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (18, 18, 'Savings', 16000, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (19, 19, 'Checking', 8700, SYSDATE);

INSERT INTO Accounts (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (20, 20, 'Savings', 10200, SYSDATE);

CREATE TABLE Transactions (

TransactionID NUMBER PRIMARY KEY,

AccountID NUMBER,

TransactionDate DATE,

Amount NUMBER,

TransactionType VARCHAR2(10),

FOREIGN KEY (AccountID) REFERENCES Accounts(AccountID)

);

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 Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType)

VALUES (3, 3, TO\_DATE('2025-06-27', 'YYYY-MM-DD'), 500, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType)

VALUES (4, 4, TO\_DATE('2025-06-27', 'YYYY-MM-DD'), 700, 'Withdrawal');

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 Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType)

VALUES (5, 5, TO\_DATE('2025-06-27', 'YYYY-MM-DD'), 300, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (6, 6, SYSDATE, 500, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (7, 7, SYSDATE, 700, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (8, 8, SYSDATE, 300, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (9, 9, SYSDATE, 1000, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (10, 10, SYSDATE, 400, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (11, 11, SYSDATE, 850, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (12, 12, SYSDATE, 1200, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (13, 13, SYSDATE, 200, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (14, 14, SYSDATE, 950, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (15, 15, SYSDATE, 300, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (16, 16, SYSDATE, 600, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (17, 17, SYSDATE, 900, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (18, 18, SYSDATE, 1000, 'Deposit');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (19, 19, SYSDATE, 450, 'Withdrawal');

INSERT INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (20, 20, SYSDATE, 750, 'Deposit');

CREATE TABLE Loans (

LoanID NUMBER PRIMARY KEY,

CustomerID NUMBER,

LoanAmount NUMBER,

InterestRate NUMBER,

StartDate DATE,

EndDate DATE,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES

(1, 1, 5000, 5, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (2, 2, 10000, 4.5, TO\_DATE('2025-06-27', 'YYYY-MM-DD'), TO\_DATE('2028-06-26', 'YYYY-MM-DD'));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (4, 4, 9000, 5.5, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (5, 5, 12000, 6.0, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (6, 6, 8000, 4.8, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (7, 7, 10000, 6.5, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (8, 8, 11000, 5.0, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (9, 9, 9500, 5.2, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (10, 10, 13000, 6.3, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (11, 11, 10000, 4.9, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (12, 12, 7000, 5.7, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (13, 13, 6000, 6.1, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (14, 14, 14000, 6.4, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (15, 15, 10500, 5.6, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (16, 16, 9100, 4.6, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (17, 17, 7000, 5.1, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (18, 18, 16000, 5.3, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (19, 19, 9200, 6.2, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES (20, 20, 11500, 5.4, SYSDATE, ADD\_MONTHS(SYSDATE, 60));

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES

(21, 1, 15000, 5.25, ADD\_MONTHS(SYSDATE, -12), SYSDATE + 5);

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES

(22, 2, 25000, 4.75, ADD\_MONTHS(SYSDATE, -6), SYSDATE + 15);

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES

(23, 3, 10000, 6.00, ADD\_MONTHS(SYSDATE, -3), SYSDATE + 25);

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES

(24, 1, 18000, 5.50, ADD\_MONTHS(SYSDATE, -9), SYSDATE + 35);

INSERT INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

VALUES

(25, 4, 30000, 4.25, ADD\_MONTHS(SYSDATE, -24), SYSDATE + 10);

CREATE TABLE Employees (

EmployeeID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Position VARCHAR2(50),

Salary NUMBER,

Department VARCHAR2(50),

HireDate DATE

);

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'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (3, 'David Lee', 'Analyst', 55000, 'Finance', TO\_DATE('2018-08-01', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (4, 'Priya Sharma', 'Tester', 52000, 'QA', TO\_DATE('2019-12-11', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (5, 'Karen Lee', 'Support', 52000, 'IT', TO\_DATE('2016-09-01', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (6, 'Daniel Ray', 'Developer', 58000, 'IT', TO\_DATE('2017-12-15', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (7, 'Meena Roy', 'Analyst', 56000, 'Finance', TO\_DATE('2018-03-21', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (8, 'George Hill', 'Tester', 54000, 'QA', TO\_DATE('2019-05-14', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (9, 'Sneha Reddy', 'Manager', 75000, 'HR', TO\_DATE('2015-07-11', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (10, 'Peter Shaw', 'Support', 50000, 'Sales', TO\_DATE('2020-10-10', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (11, 'Amit Verma', 'Developer', 61000, 'IT', TO\_DATE('2016-01-25', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (12, 'Olivia Blake', 'Analyst', 53000, 'Finance', TO\_DATE('2021-06-05', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (13, 'Zara Ali', 'Tester', 51000, 'QA', TO\_DATE('2020-02-28', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (14, 'John Snow', 'Developer', 64000, 'IT', TO\_DATE('2017-08-16', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (15, 'Nikita Das', 'Manager', 78000, 'HR', TO\_DATE('2014-04-03', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (16, 'Pranav Shetty', 'Support', 49500, 'IT', TO\_DATE('2022-03-18', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (17, 'Emily Zhang', 'Developer', 62500, 'IT', TO\_DATE('2018-09-09', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (18, 'Vinay Kumar', 'Analyst', 57500, 'Finance', TO\_DATE('2019-01-30', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (19, 'Arun Jain', 'Tester', 50500, 'QA', TO\_DATE('2021-11-12', 'YYYY-MM-DD'));

INSERT INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate)

VALUES (20, 'Grace Miller', 'Manager', 77000, 'Sales', TO\_DATE('2013-06-22', 'YYYY-MM-DD'));