SCHEMA AND DATA INFORMATION OF ALL THE TABLES WEEK_2 PL/SQL-

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


INSERT ALL
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (1, 'John Doe', TO_DATE('1990-05-15', 'YYYY-MM-DD'), 1000.50, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (2, 'Jane Smith', TO_DATE('1985-09-20', 'YYYY-MM-DD'), 750.75, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (3, 'Michael Johnson', TO_DATE('1982-03-10', 'YYYY-MM-DD'), 1500.25, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (4, 'Emily Brown', TO_DATE('1995-07-08', 'YYYY-MM-DD'), 500.00, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (5, 'David Lee', TO_DATE('1988-12-25', 'YYYY-MM-DD'), 2000.00, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (6, 'Sarah Wilson', TO_DATE('1993-04-30', 'YYYY-MM-DD'), 1200.80, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (7, 'James Miller', TO_DATE('1980-11-18', 'YYYY-MM-DD'), 1800.60, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (8, 'Lisa Taylor', TO_DATE('1987-06-12', 'YYYY-MM-DD'), 900.30, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (9, 'Kevin Clark', TO_DATE('1991-09-05', 'YYYY-MM-DD'), 300.25, SYSDATE)
    INTO Customers (CustomerID, Name, DOB, Balance, LastModified) VALUES (10, 'Amanda Hall', TO_DATE('1994-02-28', 'YYYY-MM-DD'), 600.50, SYSDATE)
SELECT * FROM dual;
```

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


INSERT ALL
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (1, 1, 'Savings', 1500.75, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (2, 2, 'Checking', 1000.50, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (3, 3, 'Savings', 2000.00, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (4, 4, 'Checking', 500.25, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (5, 5, 'Savings', 2500.00, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (6, 6, 'Checking', 1200.75, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (7, 7, 'Savings', 3000.50, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (8, 8, 'Checking', 750.25, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (9, 9, 'Savings', 1600.00, SYSDATE)
    INTO Account (AccountID, CustomerID, AccountType, Balance, LastModified) VALUES (10, 10, 'Checking', 900.50, SYSDATE)
SELECT * FROM dual;
```

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



INSERT ALL
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (1, 1, TO_DATE('2024-07-20', 'YYYY-MM-DD'), 500.00, 'Deposit')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (2, 2, TO_DATE('2024-07-21', 'YYYY-MM-DD'), 300.00, 'Withdrawal')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (3, 3, TO_DATE('2024-07-22', 'YYYY-MM-DD'), 450.00, 'Deposit')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (4, 4, TO_DATE('2024-07-23', 'YYYY-MM-DD'), 250.00, 'Withdrawal')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (5, 5, TO_DATE('2024-07-24', 'YYYY-MM-DD'), 600.00, 'Deposit')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (6, 6, TO_DATE('2024-07-25', 'YYYY-MM-DD'), 200.00, 'Withdrawal')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (7, 7, TO_DATE('2024-07-26', 'YYYY-MM-DD'), 800.00, 'Deposit')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (8, 8, TO_DATE('2024-07-27', 'YYYY-MM-DD'), 350.00, 'Withdrawal')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (9, 9, TO_DATE('2024-07-28', 'YYYY-MM-DD'), 700.00, 'Deposit')
    INTO Transactions (TransactionID, AccountID, TransactionDate, Amount, TransactionType) VALUES (10, 10, TO_DATE('2024-07-29', 'YYYY-MM-DD'), 400.00, 'Withdrawal')
SELECT * FROM dual;
```

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



INSERT ALL
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (1, 1, 5000.00, 5.5, TO_DATE('2024-01-15', 'YYYY-MM-DD'), TO_DATE('2025-01-15', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (2, 2, 10000.00, 4.5, TO_DATE('2024-02-20', 'YYYY-MM-DD'), TO_DATE('2025-02-20', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (3, 3, 7500.00, 6.0, TO_DATE('2024-03-10', 'YYYY-MM-DD'), TO_DATE('2025-03-10', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (4, 4, 3000.00, 5.0, TO_DATE('2024-04-05', 'YYYY-MM-DD'), TO_DATE('2025-04-05', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (5, 5, 15000.00, 4.0, TO_DATE('2024-05-25', 'YYYY-MM-DD'), TO_DATE('2025-05-25', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (6, 6, 8000.00, 5.2, TO_DATE('2024-06-18', 'YYYY-MM-DD'), TO_DATE('2025-06-18', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (7, 7, 12000.00, 4.8, TO_DATE('2024-07-12', 'YYYY-MM-DD'), TO_DATE('2025-07-12', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (8, 8, 4000.00, 5.1, TO_DATE('2024-08-07', 'YYYY-MM-DD'), TO_DATE('2025-08-07', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (9, 9, 6000.00, 5.6, TO_DATE('2024-09-15', 'YYYY-MM-DD'), TO_DATE('2025-09-15', 'YYYY-MM-DD'))
    INTO Loans (LoanID, CustomerID, LoanAmount, InterestRate, StartDate, EndDate) VALUES (10, 10, 20000.00, 4.3, TO_DATE('2024-10-22', 'YYYY-MM-DD'), TO_DATE('2025-10-22', 'YYYY-MM-DD'))
SELECT * FROM dual;
```

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

```
INSERT ALL
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (1, 'Alice Johnson', 'Manager', 75000, 'Sales', TO_DATE('2020-01-15', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (2, 'Bob Smith', 'Analyst', 65000, 'Marketing', TO_DATE('2021-03-22', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (3, 'Charlie Brown', 'Developer', 70000, 'IT', TO_DATE('2019-07-18', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (4, 'Diana Ross', 'Designer', 60000, 'Design', TO_DATE('2018-05-10', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (5, 'Evan Lee', 'Manager', 80000, 'Operations', TO_DATE('2017-09-30', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (6, 'Fiona Green', 'Support', 55000, 'Customer Service', TO_DATE('2020-11-01', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (7, 'George White', 'Analyst', 67000, 'Finance', TO_DATE('2022-01-05', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (8, 'Hannah Black', 'HR', 62000, 'Human Resources', TO_DATE('2021-08-15', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (9, 'Ian Brown', 'Developer', 71000, 'IT', TO_DATE('2019-12-20', 'YYYY-MM-DD'))
    INTO Employees (EmployeeID, Name, Position, Salary, Department, HireDate) VALUES (10, 'Jessica Blue', 'Manager', 85000, 'Sales', TO_DATE('2016-04-12', 'YYYY-MM-DD'))
SELECT * FROM dual;
```