Server [localhost]:

Database [postgres]:

Port [5432]:

Username [postgres]:

Password for user postgres:

postgres=# CREATE TABLE Customers (

postgres(# CustomerID SERIAL PRIMARY KEY,

postgres(# Name VARCHAR(100),

postgres(# DOB DATE,

postgres(# Balance NUMERIC(12, 2),

postgres(# LastModified TIMESTAMP

postgres(# );

CREATE TABLE

postgres=# INSERT INTO Customers (Name, DOB, Balance, LastModified)

postgres-# VALUES ('John Doe', '1985-05-15', 1000, CURRENT\_TIMESTAMP);

INSERT 0 1

postgres=#

postgres=# INSERT INTO Customers (Name, DOB, Balance, LastModified)

postgres-# VALUES ('Jane Smith', '1990-07-20', 1500, CURRENT\_TIMESTAMP);

INSERT 0 1

postgres=# SELECT \* FROM customers;

customerid | name | dob | balance | lastmodified

------------+------------+------------+---------+----------------------------

1 | John Doe | 1985-05-15 | 1000.00 | 2024-08-14 14:18:46.756528

2 | Jane Smith | 1990-07-20 | 1500.00 | 2024-08-14 14:18:49.095673

(2 rows)

postgres=# CREATE TABLE Accounts (

postgres(# AccountID SERIAL PRIMARY KEY,

postgres(# CustomerID INTEGER REFERENCES Customers(CustomerID),

postgres(# AccountType VARCHAR(20),

postgres(# Balance NUMERIC(12, 2),

postgres(# LastModified TIMESTAMP

postgres(# );

CREATE TABLE

postgres=# INSERT INTO Accounts (CustomerID, AccountType, Balance, LastModified)

postgres-# VALUES (1, 'Savings', 1000, CURRENT\_TIMESTAMP);

INSERT 0 1

postgres=#

postgres=# INSERT INTO Accounts (CustomerID, AccountType, Balance, LastModified)

postgres-# VALUES (2, 'Checking', 1500, CURRENT\_TIMESTAMP);

INSERT 0 1

postgres=# SELECT \* FROM Accounts;

accountid | customerid | accounttype | balance | lastmodified

-----------+------------+-------------+---------+----------------------------

1 | 1 | Savings | 1000.00 | 2024-08-14 14:19:41.867353

2 | 2 | Checking | 1500.00 | 2024-08-14 14:19:43.186688

(2 rows)

postgres=# CREATE TABLE Transactions (

postgres(# TransactionID SERIAL PRIMARY KEY,

postgres(# AccountID INTEGER REFERENCES Accounts(AccountID),

postgres(# TransactionDate TIMESTAMP,

postgres(# Amount NUMERIC(12, 2),

postgres(# TransactionType VARCHAR(10)

postgres(# );

CREATE TABLE

postgres=# INSERT INTO Transactions (AccountID, TransactionDate, Amount, TransactionType)

postgres-# VALUES (1, CURRENT\_TIMESTAMP, 200, 'Deposit');

INSERT 0 1

postgres=#

postgres=# INSERT INTO Transactions (AccountID, TransactionDate, Amount, TransactionType)

postgres-# VALUES (2, CURRENT\_TIMESTAMP, 300, 'Withdrawal');

INSERT 0 1

postgres=# SELECT \* FROM Transactions;

transactionid | accountid | transactiondate | amount | transactiontype

---------------+-----------+----------------------------+--------+-----------------

1 | 1 | 2024-08-14 14:20:46.72478 | 200.00 | Deposit

2 | 2 | 2024-08-14 14:20:46.735272 | 300.00 | Withdrawal

(2 rows)

postgres=# CREATE TABLE Loans (

postgres(# LoanID SERIAL PRIMARY KEY,

postgres(# CustomerID INTEGER REFERENCES Customers(CustomerID),

postgres(# LoanAmount NUMERIC(12, 2),

postgres(# InterestRate NUMERIC(5, 2),

postgres(# StartDate DATE,

postgres(# EndDate DATE

postgres(# );

CREATE TABLE

postgres=# INSERT INTO Loans (CustomerID, LoanAmount, InterestRate, StartDate, EndDate)

postgres-# VALUES (1, 5000, 5, CURRENT\_DATE, CURRENT\_DATE + INTERVAL '60 months');

INSERT 0 1

postgres=# SELECT \* FROM Loans;

loanid | customerid | loanamount | interestrate | startdate | enddate

--------+------------+------------+--------------+------------+------------

1 | 1 | 5000.00 | 5.00 | 2024-08-14 | 2029-08-14

(1 row)

postgres=# CREATE TABLE Employees (

postgres(# EmployeeID SERIAL PRIMARY KEY,

postgres(# Name VARCHAR(100),

postgres(# Position VARCHAR(50),

postgres(# Salary NUMERIC(12, 2),

postgres(# Department VARCHAR(50),

postgres(# HireDate DATE

postgres(# );

CREATE TABLE

postgres=# INSERT INTO Employees (Name, Position, Salary, Department, HireDate)

postgres-# VALUES ('Alice Johnson', 'Manager', 70000, 'HR', DATE '2015-06-15');

INSERT 0 1

postgres=#

postgres=# INSERT INTO Employees (Name, Position, Salary, Department, HireDate)

postgres-# VALUES ('Bob Brown', 'Developer', 60000, 'IT', DATE '2017-03-20');

INSERT 0 1

postgres=# SELECT \* FROM Employees;

employeeid | name | position | salary | department | hiredate

------------+---------------+-----------+----------+------------+------------

1 | Alice Johnson | Manager | 70000.00 | HR | 2015-06-15

2 | Bob Brown | Developer | 60000.00 | IT | 2017-03-20

(2 rows)

postgres=#