**Customer Table Creation and Insertion of Tuples**

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CREATE TABLE Customers(

CustomerID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

DOB DATE,

Balance NUMBER,

LastModified DATE);

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INSERT INTO Customers VALUES(1,'John Doe',TO\_DATE('1985-05-15','YYYY-MM-DD'),1000,SYSDATE);

INSERT INTO Customers VALUES(2,'Jane Smith',TO\_DATE('1990-07-20','YYYY-MM-DD'),1500,SYSDATE);

INSERT INTO Customers VALUES(3,'Bob Johnson',TO\_DATE('1989-12-13','YYYY-MM-DD'),1700,SYSDATE);

INSERT INTO Customers VALUES(4,'Cassie Thomas',TO\_DATE('1986-10-21','YYYY-MM-DD'),2000,SYSDATE);

INSERT INTO Customers VALUES(5,'Todd Anderson',TO\_DATE('1984-09-22','YYYY-MM-DD'),1300,SYSDATE);

INSERT INTO Customers VALUES(6,'Neil Perry',TO\_DATE('1960-12-20','YYYY-

MM-DD'),10000,SYSDATE);

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SELECT \* FROM Customers;

CUSTOMERID NAME DOB BALANCE LASTMODIF

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1 John Doe 15-MAY-85 1000 19-JUN-25

2 Jane Smith 20-JUL-90 1500 19-JUN-25

3 Bob Johnson 13-DEC-89 1700 19-JUN-25

4 Cassie Thomas 21-OCT-86 2000 19-JUN-25

5 Todd Anderson 22-SEP-84 1300 19-JUN-25

6 Neil Perry 20-DEC-60 10000 19-JUN-25

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**Accounts Table Creation and Insertion of Tuples**

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CREATE TABLE Accounts(

AccountID NUMBER PRIMARY KEY,

CustomerID NUMBER REFERENCES Customers(CustomerID),

AccountType VARCHAR2(20),

Balance NUMBER,

LastModified DATE);

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INSERT INTO Accounts VALUES(1,1,'Savings',1000,SYSDATE);

INSERT INTO Accounts VALUES(2,2,'Current',1500,SYSDATE);

INSERT INTO Accounts VALUES(3,3,'Savings',1700,SYSDATE);

INSERT INTO Accounts VALUES(4,4,'Savings',2000,SYSDATE);

INSERT INTO Accounts VALUES(5,5,'Current',1300,SYSDATE);

INSERT INTO Accounts VALUES(6,6,'Savings',10000,SYSDATE);

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SELECT \* FROM Accounts;

ACCOUNTID CUSTOMERID ACCOUNTTYPE BALANCE LASTMODIF

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1 1 Savings 1000 19-JUN-25

2 2 Current 1500 19-JUN-25

3 3 Savings 1700 19-JUN-25

4 4 Savings 2000 19-JUN-25

5 5 Current 1300 19-JUN-25

6 6 Savings 10000 19-JUN-25

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**Transactions Table Creation and Insertion of Tuples**

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CREATE TABLE Transactions(

TransactionID NUMBER PRIMARY KEY,

AccountID NUMBER REFERENCES Accounts(AccountID),

TransactionDate DATE,

Amount NUMBER,

TransactionType VARCHAR2(10));

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INSERT INTO Transactions VALUES(1,1,SYSDATE,200,'Deposit');

INSERT INTO Transactions VALUES(2,2,SYSDATE,300,'Withdrawal');

INSERT INTO Transactions VALUES(3,3,SYSDATE,500,'Deposit');

INSERT INTO Transactions VALUES(4,4,SYSDATE,200,'Deposit');

INSERT INTO Transactions VALUES(5,5,SYSDATE,400,'Withdrawal');

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SELECT \* FROM Transactions;

TRANSACTIONID ACCOUNTID TRANSACTI AMOUNT TRANSACTIO

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1 1 19-JUN-25 200 Deposit

2 2 19-JUN-25 300 Withdrawal

3 3 19-JUN-25 500 Deposit

4 4 19-JUN-25 200 Deposit

5 5 19-JUN-25 400 Withdrawal

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**Loans Table Creation and Insertion of Tuples**

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CREATE TABLE Loans(

LoanID NUMBER PRIMARY KEY,

CustomerID NUMBER REFERENCES Customers(CustomerID),

LoanAmount NUMBER,

InterestRate NUMBER,

StartDate DATE,

EndDate DATE);

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INSERT INTO Loans VALUES(1,1,5000,5,SYSDATE,ADD\_MONTHS(SYSDATE,60));

INSERT INTO Loans VALUES(2,2,6000,10,SYSDATE,ADD\_MONTHS(SYSDATE,1));

INSERT INTO Loans VALUES(3,3,4000,5,SYSDATE,ADD\_MONTHS(SYSDATE,1));

INSERT INTO Loans VALUES(4,4,5000,9,SYSDATE,ADD\_MONTHS(SYSDATE,2));

INSERT INTO Loans VALUES(5,5,3000,10,SYSDATE,ADD\_MONTHS(SYSDATE,5));

INSERT INTO Loans VALUES(6,6,5000,10,SYSDATE,ADD\_MONTHS(SYSDATE,6));

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SELECT \* FROM Loans;

LOANID CUSTOMERID LOANAMOUNT INTERESTRATE STARTDATE ENDDATE

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1 1 5000 5 19-JUN-25 19-JUN-30

2 2 6000 10 19-JUN-25 19-JUL-25

3 3 4000 5 19-JUN-25 19-JUL-25

4 4 5000 9 19-JUN-25 19-AUG-25

5 5 3000 10 19-JUN-25 19-NOV-25

6 6 5000 10 19-JUN-25 19-DEC-25

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**Employees Table Creation and Insertion of Tuples**

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CREATE TABLE Employees(

EmployeeID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Position VARCHAR2(50),

Salary NUMBER,

Department VARCHAR2(50),

HireDate DATE);

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INSERT INTO Employees VALUES(1,'Alice Johnson','Manager',70000,'HR',TO\_DATE('2015-06-15','YYYY-MM-DD'));

INSERT INTO Employees VALUES(2,'Bob Brown','Developer',60000,'IT',TO\_DATE('2017-03-20','YYYY-MM-DD'));

INSERT INTO Employees VALUES(3,'Nina Sayers','Consultant',50000,'Security',TO\_DATE('2016-05-14','YYYY-MM-DD'));

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SELECT \* FROM Employees;

EMPLOYEEID NAME

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POSITION SALARY DEPARTMENT HIREDATE

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1 Alice Johnson

Manager 70000 HR 15-JUN-15

2 Bob Brown

Developer 60000 IT 20-MAR-17

3 Nina Sayers

Consultant 50000 Security 14-MAY-16