```
-- Schema Creation
CREATE TABLE Customers (
  CustomerID NUMBER PRIMARY KEY,
  Name VARCHAR2(100),
  DOB DATE,
  Balance NUMBER,
  ISVIP BOOLEAN DEFAULT FALSE,
  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 (
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LoanID NUMBER PRIMARY KEY,

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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
);
-- 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);
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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'));
-- PL/SQL Blocks
-- Scenario 1: Apply Discount to Loan Interest Rates for Customers Above 60
DECLARE
  v_age NUMBER;
  v_interest_rate NUMBER;
  v_new_interest_rate NUMBER;
BEGIN
  FOR rec IN (SELECT CustomerID, (FLOOR(MONTHS_BETWEEN(SYSDATE, DOB) / 12)) AS age FROM
Customers)
  LOOP
    IF rec.age > 60 THEN
      SELECT InterestRate
      INTO v_interest_rate
      FROM Loans
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WHERE CustomerID = rec.CustomerID;
      v_new_interest_rate := v_interest_rate - 1;
      UPDATE Loans
      SET InterestRate = v_new_interest_rate
      WHERE CustomerID = rec.CustomerID;
      DBMS_OUTPUT.PUT_LINE('Updated interest rate for CustomerID' | | rec.CustomerID | | ' to '
|| v_new_interest_rate || '%');
    END IF;
  END LOOP;
END;
/
-- Scenario 2: Promote Customer to VIP Status Based on Balance
BEGIN
  FOR rec IN (SELECT CustomerID, Balance FROM Customers)
  LOOP
    IF rec.Balance > 10000 THEN
      UPDATE Customers
      SET IsVIP = TRUE
      WHERE CustomerID = rec.CustomerID;
      DBMS_OUTPUT.PUT_LINE('CustomerID' | | rec.CustomerID | | ' is now a VIP.');
    END IF;
  END LOOP;
END;
```

```
DECLARE

v_customer_name VARCHAR2(100);

v_due_date DATE;

BEGIN

FOR rec IN (SELECT LoanID, CustomerID, EndDate FROM Loans WHERE EndDate BETWEEN SYSDATE AND SYSDATE + 30)

LOOP

SELECT Name, EndDate

INTO v_customer_name, v_due_date

FROM Customers

WHERE CustomerID = rec.CustomerID;

DBMS_OUTPUT.PUT_LINE('Reminder: Loan' | | rec.LoanID | | ' for customer' | | v_customer_name | | ' is due on' | | TO_CHAR(v_due_date, 'YYYYY-MM-DD'));

END LOOP;

END;

/
```