**Scenario 1: Applying a Discount to Loan Interest Rates for Customers Above 60 Years Old**

DECLARE

CURSOR cust\_cursor IS

SELECT c.CustomerID, l.LoanID, l.InterestRate

FROM Customers c

JOIN Loans l ON c.CustomerID = l.CustomerID

WHERE EXTRACT(YEAR FROM SYSDATE) - EXTRACT(YEAR FROM c.DOB) > 60;

v\_CustomerID Customers.CustomerID%TYPE;

v\_LoanID Loans.LoanID%TYPE;

v\_InterestRate Loans.InterestRate%TYPE;

BEGIN

OPEN cust\_cursor;

LOOP

FETCH cust\_cursor INTO v\_CustomerID, v\_LoanID, v\_InterestRate;

EXIT WHEN cust\_cursor%NOTFOUND;

-- Apply 1% discount to the interest rate

v\_InterestRate := v\_InterestRate - 1;

UPDATE Loans

SET InterestRate = v\_InterestRate

WHERE LoanID = v\_LoanID;

END LOOP;

CLOSE cust\_cursor;

COMMIT;

END;

/

**Scenario 2: Promoting Customers to VIP Status Based on Their Balance**

*2.1 Add IsVIP Column .*

ALTER TABLE Customers ADD IsVIP VARCHAR2(3) DEFAULT 'NO';

*2.2 PLSQL*

DECLARE

CURSOR cust\_cursor IS

SELECT CustomerID, Balance

FROM Customers;

v\_CustomerID Customers.CustomerID%TYPE;

v\_Balance Customers.Balance%TYPE;

BEGIN

OPEN cust\_cursor;

LOOP

FETCH cust\_cursor INTO v\_CustomerID, v\_Balance;

EXIT WHEN cust\_cursor%NOTFOUND;

IF v\_Balance > 10000 THEN

UPDATE Customers

SET IsVIP = 'YES'

WHERE CustomerID = v\_CustomerID;

END IF;

END LOOP;

CLOSE cust\_cursor;

COMMIT;

END;

/

**Scenario 3: Sending Reminders for Loans Due Within the Next 30 Days**

DECLARE

CURSOR loan\_cursor IS

SELECT c.CustomerID, c.Name, l.LoanID, l.EndDate

FROM Customers c

JOIN Loans l ON c.CustomerID = l.CustomerID

WHERE l.EndDate BETWEEN SYSDATE AND SYSDATE + 30;

v\_CustomerID Customers.CustomerID%TYPE;

v\_Name Customers.Name%TYPE;

v\_LoanID Loans.LoanID%TYPE;

v\_EndDate Loans.EndDate%TYPE;

BEGIN

OPEN loan\_cursor;

LOOP

FETCH loan\_cursor INTO v\_CustomerID, v\_Name, v\_LoanID, v\_EndDate;

EXIT WHEN loan\_cursor%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE('Reminder: Dear ' || v\_Name || ', your loan (ID: ' || v\_LoanID || ') is due on ' || TO\_CHAR(v\_EndDate, 'YYYY-MM-DD'));

END LOOP;

CLOSE loan\_cursor;

END;

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