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

BEGIN

FOR customer IN (SELECT CustomerID, FLOOR((SYSDATE - DOB) / 365.25) AS Age FROM Customers) LOOP

IF customer.Age > 60 THEN

UPDATE Loans

SET InterestRate = InterestRate - 1

WHERE CustomerID = customer.CustomerID;

END IF;

END LOOP;

COMMIT;

END;

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

To implement this scenario, an IsVIP column needs to be added to the Customers table. Let's first add that column:

ALTER TABLE Customers

ADD IsVIP CHAR(1) DEFAULT 'N';

Now, here is the PL/SQL block:

BEGIN

FOR customer IN (SELECT CustomerID, Balance FROM Customers) LOOP

IF customer.Balance > 10000 THEN

UPDATE Customers

SET IsVIP = 'Y'

WHERE CustomerID = customer.CustomerID;

END IF;

END LOOP;

COMMIT;

END;

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

BEGIN

FOR loan IN (SELECT L.LoanID, C.Name, C.CustomerID, L.EndDate

FROM Loans L

JOIN Customers C ON L.CustomerID = C.CustomerID

WHERE L.EndDate BETWEEN SYSDATE AND SYSDATE + 30) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ID ' || loan.LoanID ||

' for customer ' || loan.Name ||

' (CustomerID: ' || loan.CustomerID ||

') is due on ' || TO\_CHAR(loan.EndDate, 'YYYY-MM-DD'));

END LOOP;

END;

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