**Question – 3**

Scenario 3: The bank wants to send reminders to customers whose loans are due within the next 30 days.

* Question: Write a PL/SQL block that fetches all loans due in the next 30 days and prints a reminder message for each customer.

PL/SQL Code--

SET SERVEROUTPUT ON;

DECLARE

CURSOR customer\_cursor IS

SELECT c.CustomerID, c.Name

FROM Customers c;

CURSOR loan\_cursor(p\_customer\_id Customers.CustomerID%TYPE) IS

SELECT l.LoanID, l.EndDate

FROM Loans l

WHERE l.CustomerID = p\_customer\_id

AND l.EndDate BETWEEN SYSDATE AND SYSDATE + 30;

BEGIN

FOR customer\_rec IN customer\_cursor LOOP

DECLARE

v\_loan\_due BOOLEAN := FALSE;

BEGIN

FOR loan\_rec IN loan\_cursor(customer\_rec.CustomerID) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Customer ' || customer\_rec.Name || ' (ID: ' || customer\_rec.CustomerID || ') has a loan (Loan ID: ' || loan\_rec.LoanID || ') due on ' || TO\_CHAR(loan\_rec.EndDate, 'YYYY-MM-DD') || '.');

v\_loan\_due := TRUE;

END LOOP;

IF NOT v\_loan\_due THEN

DBMS\_OUTPUT.PUT\_LINE('Customer ' || customer\_rec.Name || ' (ID: ' || customer\_rec.CustomerID || ') has no loans due in the next 30 days.');

END IF;

END;

END LOOP;

END;

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