**Question – 3**

Scenario 3: Update the interest rate for all loans based on a new policy.

o Question: Write a PL/SQL block using an explicit cursor UpdateLoanInterestRates that fetches all loans and updates their interest rates based on the new policy.

PL/SQL Code –

SET SERVEROUT ON;

DECLARE

CURSOR UpdateLoanInterestRates IS

SELECT LOANID, INTERESTRATE

FROM LOANS

FOR UPDATE OF INTERESTRATE;

v\_loan\_id LOANS.LOANID%TYPE;

v\_interest\_rate LOANS.INTERESTRATE%TYPE;

-- Example new interest rates based on certain conditions

v\_new\_interest\_rate CONSTANT NUMBER := 5.5; -- New interest rate for demonstration

BEGIN

OPEN UpdateLoanInterestRates;

LOOP

FETCH UpdateLoanInterestRates INTO v\_loan\_id, v\_interest\_rate;

EXIT WHEN UpdateLoanInterestRates%NOTFOUND;

-- Apply the new policy to determine the new interest rate

v\_interest\_rate := v\_new\_interest\_rate;

-- Update the interest rate in the table

UPDATE LOANS

SET INTERESTRATE = v\_interest\_rate

WHERE CURRENT OF UpdateLoanInterestRates;

-- Optional: Log the interest rate update

DBMS\_OUTPUT.PUT\_LINE('Loan ID: ' || v\_loan\_id || ' - New Interest Rate: ' || v\_interest\_rate);

END LOOP;

CLOSE UpdateLoanInterestRates;

END;

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SELECT \* FROM LOANS;