**Question – 2**

Scenario 2: Apply annual fee to all accounts.

o Question: Write a PL/SQL block using an explicit cursor ApplyAnnualFee that deducts an annual maintenance fee from the balance of all accounts.

PL/SQL Code –

SET SERVEROUT ON;

DECLARE

CURSOR ApplyAnnualFee IS

SELECT ACCOUNTID, BALANCE

FROM ACCOUNTS

FOR UPDATE OF BALANCE;

v\_account\_id ACCOUNTS.ACCOUNTID%TYPE;

v\_balance ACCOUNTS.BALANCE%TYPE;

v\_annual\_fee CONSTANT NUMBER := 50; -- Set the annual fee amount here

BEGIN

OPEN ApplyAnnualFee;

LOOP

FETCH ApplyAnnualFee INTO v\_account\_id, v\_balance;

EXIT WHEN ApplyAnnualFee%NOTFOUND;

-- Deduct the annual fee from the balance

v\_balance := v\_balance - v\_annual\_fee;

-- Update the balance in the table

UPDATE ACCOUNTS

SET BALANCE = v\_balance

WHERE CURRENT OF ApplyAnnualFee;

-- Log the fee deduction

DBMS\_OUTPUT.PUT\_LINE('Account ID: ' || v\_account\_id || ' - New Balance: ' || v\_balance);

END LOOP;

CLOSE ApplyAnnualFee;

END;

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