Cursors

1. DECLARE

CURSOR c\_monthly\_transactions IS

SELECT customer\_id, transaction\_date, transaction\_amount

FROM transactions

WHERE EXTRACT(MONTH FROM transaction\_date) = EXTRACT(MONTH FROM SYSDATE);

v\_customer\_id NUMBER;

v\_transaction\_date DATE;

v\_transaction\_amount NUMBER;

BEGIN

FOR trans\_rec IN c\_monthly\_transactions LOOP

v\_customer\_id := trans\_rec.customer\_id;

v\_transaction\_date := trans\_rec.transaction\_date;

v\_transaction\_amount := trans\_rec.transaction\_amount;

DBMS\_OUTPUT.PUT\_LINE('Customer ' || v\_customer\_id || ' - Transaction on ' || TO\_CHAR(v\_transaction\_date, 'DD-MON-YYYY') || ': $' || v\_transaction\_amount);

END LOOP;

END;

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1. DECLARE

CURSOR c\_all\_accounts IS

SELECT account\_id, balance

FROM accounts;

v\_account\_id NUMBER;

v\_balance NUMBER;

v\_annual\_fee NUMBER := 50; -- Adjust the fee amount as needed

BEGIN

FOR acc\_rec IN c\_all\_accounts LOOP

v\_account\_id := acc\_rec.account\_id;

v\_balance := acc\_rec.balance;

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

UPDATE accounts

SET balance = v\_balance

WHERE account\_id = v\_account\_id;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Annual fees applied successfully.');

END;

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1. DECLARE

CURSOR c\_all\_loans IS

SELECT loan\_id, interest\_rate

FROM loans;

v\_loan\_id NUMBER;

v\_new\_interest\_rate NUMBER;

BEGIN

FOR loan\_rec IN c\_all\_loans LOOP

v\_loan\_id := loan\_rec.loan\_id;

v\_new\_interest\_rate := loan\_rec.interest\_rate \* 1.005;

UPDATE loans

SET interest\_rate = v\_new\_interest\_rate

WHERE loan\_id = v\_loan\_id;

END LOOP;

COMMIT;

DBMS\_OUTPUT.PUT\_LINE('Loan interest rates updated successfully.');

END;

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