**Scenario 1: Generate Monthly Statements for All Customers**

```sql

DECLARE

CURSOR customer\_cursor IS

SELECT DISTINCT customer\_id

FROM transactions

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

AND EXTRACT(YEAR FROM transaction\_date) = EXTRACT(YEAR FROM SYSDATE);

CURSOR transaction\_cursor(p\_customer\_id NUMBER) IS

SELECT transaction\_id, transaction\_date, amount

FROM transactions

WHERE customer\_id = p\_customer\_id

AND EXTRACT(MONTH FROM transaction\_date) = EXTRACT(MONTH FROM SYSDATE)

AND EXTRACT(YEAR FROM transaction\_date) = EXTRACT(YEAR FROM SYSDATE);

v\_customer\_id customer\_cursor%ROWTYPE.customer\_id%TYPE;

BEGIN

FOR customer\_record IN customer\_cursor LOOP

v\_customer\_id := customer\_record.customer\_id;

DBMS\_OUTPUT.PUT\_LINE('Statement for Customer ' || v\_customer\_id || ':');

FOR transaction\_record IN transaction\_cursor(v\_customer\_id) LOOP

DBMS\_OUTPUT.PUT\_LINE('Transaction ID: ' || transaction\_record.transaction\_id ||

', Date: ' || TO\_CHAR(transaction\_record.transaction\_date, 'MM/DD/YYYY') ||

', Amount: ' || transaction\_record.amount);

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('-------------------------------------');

END LOOP;

END;

/

```

**Scenario 2: Apply Annual Fee to All Accounts**

```sql

DECLARE

CURSOR account\_cursor IS

SELECT account\_id, balance

FROM accounts;

v\_balance accounts.balance%TYPE;

v\_account\_id accounts.account\_id%TYPE;

BEGIN

FOR account\_record IN account\_cursor LOOP

v\_account\_id := account\_record.account\_id;

v\_balance := account\_record.balance;

-- Deduct annual maintenance fee of $50

UPDATE accounts

SET balance = v\_balance - 50

WHERE account\_id = v\_account\_id;

END LOOP;

COMMIT;

END;

/

```

**Scenario 3: Update Interest Rates for All Loans**

```sql

DECLARE

CURSOR loan\_cursor IS

SELECT loan\_id, current\_interest\_rate

FROM loans;

v\_current\_interest\_rate loans.current\_interest\_rate%TYPE;

v\_loan\_id loans.loan\_id%TYPE;

v\_new\_interest\_rate NUMBER;

BEGIN

FOR loan\_record IN loan\_cursor LOOP

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

v\_current\_interest\_rate := loan\_record.current\_interest\_rate;

-- Update interest rate based on new policy

v\_new\_interest\_rate := v\_current\_interest\_rate + 0.01; -- Example policy: increase by 1%

UPDATE loans

SET current\_interest\_rate = v\_new\_interest\_rate

WHERE loan\_id = v\_loan\_id;

END LOOP;

COMMIT;

END;

/

```