Exercise 6

-- Scenario 1  
DECLARE  
 CURSOR cur IS SELECT \* FROM Transactions WHERE EXTRACT(MONTH FROM TransactionDate) = EXTRACT(MONTH FROM SYSDATE);  
BEGIN  
 FOR rec IN cur LOOP  
 DBMS\_OUTPUT.PUT\_LINE('Customer Transaction: ' || rec.TransactionID);  
 END LOOP;  
END;  
/  
  
-- Scenario 2  
DECLARE  
 CURSOR cur IS SELECT \* FROM Accounts;  
BEGIN  
 FOR acc IN cur LOOP  
 UPDATE Accounts SET Balance = Balance - 100 WHERE AccountID = acc.AccountID;  
 END LOOP;  
END;  
/  
  
-- Scenario 3  
DECLARE  
 CURSOR cur IS SELECT \* FROM Loans;  
BEGIN  
 FOR l IN cur LOOP  
 UPDATE Loans SET InterestRate = InterestRate + 0.5 WHERE LoanID = l.LoanID;  
 END LOOP;  
END;  
/

OUTPUT:

Scenario-1:

TransactionID | TransactionDate

--------------+-----------------

1001 | 2025‑06‑05

1002 | 2025‑06‑10

2003 | 2025‑05‑31

The code will print:  
Customer Transaction: 1001

Customer Transaction: 1002

Scenario-2:

With Acoounts:

AccountID | Balance

----------+--------

1 | 500

2 | 200

3 | 50

After Running

AccountID | Balance

----------+--------

1 | 400

2 | 100

3 | -50

Scenario-3:

With loans:

LoanID | InterestRate

-------+-------------

10 | 3.0

11 | 4.5

12 | 5.0

After executing:

LoanID | InterestRate

-------+-------------

10 | 3.5

11 | 5.0

12 | 5.5