CREATE TABLE Customers (

CustomerID NUMBER PRIMARY KEY,

Name VARCHAR2(100),

Age NUMBER,

Balance NUMBER(10, 2),

IsVIP VARCHAR2(5) DEFAULT 'FALSE',

LoanInterestRate NUMBER(5, 2)

);

CREATE TABLE Loans (

LoanID NUMBER PRIMARY KEY,

CustomerID NUMBER,

DueDate DATE,

FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)

);

INSERT INTO Customers VALUES (1, 'John Doe', 65, 12000, 'FALSE', 8.5);

INSERT INTO Customers VALUES (2, 'Jane Smith', 45, 9500, 'FALSE', 9.0);

INSERT INTO Customers VALUES (3, 'Alice Brown', 70, 20000, 'FALSE', 7.5);

INSERT INTO Loans VALUES (101, 1, SYSDATE + 15);

INSERT INTO Loans VALUES (102, 2, SYSDATE + 40);

INSERT INTO Loans VALUES (103, 3, SYSDATE + 10);

COMMIT;

SELECT \* FROM Customers;

SELECT \* FROM Loans;

SET SERVEROUTPUT ON;

BEGIN

FOR cust IN (SELECT CustomerID, Age FROM Customers) LOOP

IF cust.Age > 60 THEN

UPDATE Customers

SET LoanInterestRate = LoanInterestRate - 1

WHERE CustomerID = cust.CustomerID;

DBMS\_OUTPUT.PUT\_LINE('Interest rate updated for Customer ID: ' || cust.CustomerID);

END IF;

END LOOP;

COMMIT;

END;

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SELECT CustomerID, Name, Age, LoanInterestRate FROM Customers;

BEGIN

FOR cust IN (SELECT CustomerID, Balance FROM Customers) LOOP

IF cust.Balance > 10000 THEN

UPDATE Customers

SET IsVIP = 'TRUE'

WHERE CustomerID = cust.CustomerID;

DBMS\_OUTPUT.PUT\_LINE('VIP status granted to Customer ID: ' || cust.CustomerID);

END IF;

END LOOP;

COMMIT;

END;

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BEGIN

FOR loan\_rec IN (

SELECT l.LoanID, c.Name, l.DueDate

FROM Loans l

JOIN Customers c ON l.CustomerID = c.CustomerID

WHERE l.DueDate <= SYSDATE + 30

) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan ' || loan\_rec.LoanID ||

' for ' || loan\_rec.Name ||

' is due on ' || TO\_CHAR(loan\_rec.DueDate, 'DD-Mon-YYYY'));

END LOOP;

END;

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