**PL/SQL**

**Bank\_Schema :- Created in Oracle SqlDeveloper**

**1. Customers Table:**

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**2. Loans Table:**

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**3. Accounts Table:**

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**4. Transactions Table:**

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**5. Employees ID:**

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**Exercise 1- Control Structure**

1. **Scenario 1:** The bank wants to apply a discount to loan interest rates for customers above 60 years old.

**Query:**

BEGIN

FOR cust IN (SELECT customerid, TRUNC(MONTHS\_BETWEEN(SYSDATE, dob)/12) AS age

FROM customers) LOOP

IF cust.age > 60 THEN

UPDATE loans

SET interestrate = interestrate - 1

WHERE customerid = cust.customerid;

END IF;

END LOOP;

COMMIT;

END;

/

**Table after running the above query**

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1. **Scenario 2:** A customer can be promoted to VIP status based on their balance.

**Query:**

BEGIN

FOR cust IN (

SELECT customerid

FROM customers

WHERE balance > 10000

) LOOP

UPDATE customers

SET isvip = 'true'

WHERE customerid = cust.customerid;

END LOOP;

COMMIT;

END;

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A close-up of a number

AI-generated content may be incorrect. **Table after running the above query**

1. **Scenario 3:** The bank wants to send reminders to customers whose loans are due within the next 30 days.

**Query:**

DECLARE

CURSOR due\_loans IS

SELECT loanid, customerid, enddate

FROM loans where enddate<=sysdate+30;

v\_name customers.name%TYPE;

BEGIN

FOR loan\_rec IN due\_loans LOOP

SELECT name INTO v\_name

FROM customers

WHERE customerid = loan\_rec.customerid ;

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan for ' || v\_name ||' (ID: ' || loan\_rec.customerid || ') is due till ' || TO\_CHAR(loan\_rec.enddate, 'DD-MON-YYYY')

);

END LOOP;

END;

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**Output:**

A close-up of a computer code

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