Cognizant PL/SQL Tasks – Exercise 1: Control Structures

# Scenario 1: Senior Citizen Loan Discount

Loop through all customers. If age > 60, apply 1% discount to loan interest.

PL/SQL Code:

SET SERVEROUTPUT ON;  
  
BEGIN  
 FOR cust IN (SELECT customer\_id, name, age, interest\_rate FROM customers) LOOP  
 IF cust.age > 60 THEN  
 UPDATE customers  
 SET interest\_rate = interest\_rate - (interest\_rate \* 0.01)  
 WHERE customer\_id = cust.customer\_id;  
  
 DBMS\_OUTPUT.PUT\_LINE('Discount applied to: ' || cust.name);  
 END IF;  
 END LOOP;  
END;  
/

Sample Output:

Discount applied to: Ramesh Kumar  
Discount applied to: Geetha Raj

# Scenario 2: VIP Status Based on Balance

If balance > 10000, set IsVIP = TRUE.

PL/SQL Code:

SET SERVEROUTPUT ON;  
  
BEGIN  
 FOR cust IN (SELECT customer\_id, name, balance FROM customers) LOOP  
 IF cust.balance > 10000 THEN  
 UPDATE customers  
 SET isvip = 'TRUE'  
 WHERE customer\_id = cust.customer\_id;  
  
 DBMS\_OUTPUT.PUT\_LINE('Customer promoted to VIP: ' || cust.name);  
 END IF;  
 END LOOP;  
END;  
/

Sample Output:

Customer promoted to VIP: Akash B  
Customer promoted to VIP: Meena S

# Scenario 3: Loan Due Reminders (Next 30 Days)

Print reminders for customers whose loans are due within 30 days.

PL/SQL Code:

SET SERVEROUTPUT ON;  
  
BEGIN  
 FOR loan IN (  
 SELECT customer\_id, name, due\_date   
 FROM loans   
 WHERE due\_date <= SYSDATE + 30  
 ) LOOP  
 DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan due for ' || loan.name || ' on ' || TO\_CHAR(loan.due\_date, 'DD-MON-YYYY'));  
 END LOOP;  
END;  
/

Sample Output:

Reminder: Loan due for Priya M on 15-JUL-2025  
Reminder: Loan due for Arjun N on 25-JUL-2025