**EXERCISE 1:**

Write a PL/SQL block that loops through all customers, checks their age, and if they are above 60, apply a 1% discount to their current loan interest rates.  
  
BEGIN

FOR rec IN (SELECT customer\_id, loan\_interest\_rate FROM customers WHERE age > 60) LOOP

UPDATE loans

SET loan\_interest\_rate = loan\_interest\_rate - (loan\_interest\_rate \* 0.01)

WHERE customer\_id = rec.customer\_id;

END LOOP;

COMMIT;

END;

Write a PL/SQL block that iterates through all customers and sets a flag IsVIP to TRUE for those with a balance over $10,000

BEGIN

FOR rec IN (SELECT customer\_id, balance FROM customers) LOOP

IF rec.balance > 10000 THEN

UPDATE customers

SET is\_vip = TRUE

WHERE customer\_id = rec.customer\_id;

END IF;

END LOOP;

COMMIT;

END;

Write a PL/SQL block that fetches all loans due in the next 30 days and prints a reminder message for each customer.

BEGIN

FOR rec IN (SELECT customer\_id, loan\_due\_date FROM loans WHERE loan\_due\_date BETWEEN SYSDATE AND SYSDATE + 30) LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan for customer ' || rec.customer\_id || ' is due on ' || rec.loan\_due\_date);

END LOOP;

END;