**Exercise 1: Control Structures**

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

* + **Question:** 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.

ANS:

DECLARE

CURSOR c\_customers IS

SELECT CustomerID, DOB, LoanID, InterestRate

FROM Customers c

JOIN Loans l ON c.CustomerID = l.CustomerID;

v\_age NUMBER;

v\_discount NUMBER := 0.01; -- 1% discount

BEGIN

FOR rec IN c\_customers LOOP

v\_age := FLOOR(MONTHS\_BETWEEN(SYSDATE, rec.DOB) / 12);

IF v\_age > 60 THEN

UPDATE Loans

SET InterestRate = InterestRate - (InterestRate \* v\_discount)

WHERE LoanID = rec.LoanID;

END IF;

END LOOP;

COMMIT;

END;