**Exercise 1:**

**Scenario 1:**

DECLARE

v\_customer\_age NUMBER;

v\_current\_rate NUMBER;

CURSOR c\_customers IS

SELECT CustomerID, (EXTRACT(YEAR FROM SYSDATE) - EXTRACT(YEAR FROM DOB)) AS Age

FROM Customers;

BEGIN

FOR customer\_rec IN c\_customers LOOP

v\_customer\_age := customer\_rec.Age;

IF v\_customer\_age > 60 THEN

FOR loan\_rec IN (

SELECT LoanID, InterestRate

FROM Loans

WHERE CustomerID = customer\_rec.CustomerID

) LOOP

v\_current\_rate := loan\_rec.InterestRate;

UPDATE Loans

SET InterestRate = v\_current\_rate - 1

WHERE LoanID = loan\_rec.LoanID;

END LOOP;

END IF;

END LOOP;

COMMIT;

END;

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**Scenario 2:**

ALTER TABLE Customers ADD (IsVIP VARCHAR2(3) DEFAULT 'NO');

**Scenario 3:**

BEGIN

FOR customer\_rec IN (

SELECT CustomerID, Balance

FROM Customers

) LOOP

IF customer\_rec.Balance > 10000 THEN

UPDATE Customers

SET IsVIP = 'YES'

WHERE CustomerID = customer\_rec.CustomerID;

ELSE

UPDATE Customers

SET IsVIP = 'NO'

WHERE CustomerID = customer\_rec.CustomerID;

END IF;

END LOOP;

COMMIT;

END;

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