**Question - 1**

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.

PL/SQL Code ---

CREATE TABLE LoanRateChanges (

CustomerID INT,

Name VARCHAR(100),

OldInterestRate DECIMAL(10, 2),

NewInterestRate DECIMAL(10, 2)

);

DECLARE

CURSOR customer\_cursor IS

SELECT c.CustomerID, c.Name, c.DOB, l.LoanID, l.InterestRate

FROM Customers c

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

v\_age NUMBER;

v\_oldInterestRate DECIMAL(10,2);

v\_newInterestRate DECIMAL(10,2);

BEGIN

FOR customer\_rec IN customer\_cursor LOOP

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

IF v\_age > 60 THEN

v\_oldInterestRate := customer\_rec.InterestRate;

v\_newInterestRate := v\_oldInterestRate - 1;

UPDATE Loans

SET InterestRate = v\_newInterestRate

WHERE LoanID = customer\_rec.LoanID;

INSERT INTO LoanRateChanges (CustomerID, Name, OldInterestRate, NewInterestRate)

VALUES (customer\_rec.CustomerID, customer\_rec.Name, v\_oldInterestRate, v\_newInterestRate);

END IF;

END LOOP;

COMMIT;

END;

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SELECT \* FROM LoanRateChanges;