**Create Required Tables**

-- 1. Savings Accounts Table

CREATE TABLE SAVINGS\_ACCOUNTS (

ACCOUNT\_ID NUMBER PRIMARY KEY,

CUSTOMER\_ID NUMBER,

BALANCE NUMBER

);

-- 2. Employees Table

CREATE TABLE EMPLOYEES (

EMP\_ID NUMBER PRIMARY KEY,

NAME VARCHAR2(100),

DEPARTMENT VARCHAR2(50),

SALARY NUMBER

);

-- 3. Accounts Table for Fund Transfer

CREATE TABLE ACCOUNTS (

ACCOUNT\_ID NUMBER PRIMARY KEY,

CUSTOMER\_ID NUMBER,

BALANCE NUMBER

);

**Insert Sample Data**

-- Savings Accounts

INSERT INTO SAVINGS\_ACCOUNTS VALUES (101, 1, 1000);

INSERT INTO SAVINGS\_ACCOUNTS VALUES (102, 2, 2000);

INSERT INTO SAVINGS\_ACCOUNTS VALUES (103, 3, 3000);

-- Employees

INSERT INTO EMPLOYEES VALUES (1, 'Alice', 'HR', 40000);

INSERT INTO EMPLOYEES VALUES (2, 'Bob', 'IT', 50000);

INSERT INTO EMPLOYEES VALUES (3, 'Charlie', 'IT', 45000);

-- Accounts for Transfer

INSERT INTO ACCOUNTS VALUES (1001, 1, 5000);

INSERT INTO ACCOUNTS VALUES (1002, 2, 3000);

**Scenario 1: ProcessMonthlyInterest**

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest IS

BEGIN

UPDATE SAVINGS\_ACCOUNTS

SET BALANCE = BALANCE + (BALANCE \* 0.01);

COMMIT;

END;

**Scenario 2: UpdateEmployeeBonus**

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus (

dept\_name IN VARCHAR2,

bonus\_pct IN NUMBER

) IS

BEGIN

UPDATE EMPLOYEES

SET SALARY = SALARY + (SALARY \* bonus\_pct / 100)

WHERE DEPARTMENT = dept\_name;

COMMIT;

END;

🔸 Example call:

EXEC UpdateEmployeeBonus('IT', 10); -- Adds 10% bonus to IT dept

**Scenario 3: TransferFunds**

CREATE OR REPLACE PROCEDURE TransferFunds (

from\_acc IN NUMBER,

to\_acc IN NUMBER,

amount IN NUMBER

) IS

from\_balance NUMBER;

BEGIN

-- Check if source account has enough balance

SELECT BALANCE INTO from\_balance FROM ACCOUNTS WHERE ACCOUNT\_ID = from\_acc;

IF from\_balance < amount THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Insufficient balance in source account.');

END IF;

-- Deduct from source

UPDATE ACCOUNTS

SET BALANCE = BALANCE - amount

WHERE ACCOUNT\_ID = from\_acc;

-- Add to destination

UPDATE ACCOUNTS

SET BALANCE = BALANCE + amount

WHERE ACCOUNT\_ID = to\_acc;

COMMIT;

END;

**Example call:**

EXEC TransferFunds(1001, 1002, 1000); -- Transfer ₹1000 from acc 1001 to 1002