-- CREATE TABLES

-- Accounts Table

CREATE TABLE Accounts (

AccountID INTEGER PRIMARY KEY,

CustomerName TEXT,

Balance REAL,

AccountType TEXT -- 'Savings', 'Current'

);

-- Employees Table

CREATE TABLE Employees (

EmpID INTEGER PRIMARY KEY,

EmpName TEXT,

Department TEXT,

Salary REAL

);

2. INSERT SAMPLE DATA

-- Insert accounts (Savings & Current)

INSERT INTO Accounts VALUES

(1, 'Rahul Sharma', 20000.00, 'Savings'),

(2, 'Priya Verma', 15000.00, 'Savings'),

(3, 'Amitabh Joshi', 5000.00, 'Current'),

(4, 'Neha Kapoor', 12000.00, 'Savings'),

(5, 'Ramesh Iyer', 7000.00, 'Current');

-- Insert employees (IT, HR, Finance)

INSERT INTO Employees VALUES

(101, 'Anita Desai', 'IT', 50000.00),

(102, 'Ravi Kumar', 'HR', 40000.00),

(103, 'Meera Nair', 'IT', 60000.00),

(104, 'Vikram Singh', 'Finance', 45000.00),

(105, 'Kavita Mehta', 'HR', 42000.00);

-- 3. SCENARIO 1: APPLY 1% INTEREST TO SAVINGS ACCOUNTS

UPDATE Accounts

SET Balance = Balance + (Balance \* 0.01)

WHERE AccountType = 'Savings';

-- 4. SCENARIO 2: ADD BONUS TO EMPLOYEES IN 'HR' DEPARTMENT

UPDATE Employees

SET Salary = Salary + (Salary \* 0.10)

WHERE Department = 'HR';

-- 5. SCENARIO 3: TRANSFER FUNDS BETWEEN ACCOUNTS

-- Example: Transfer ₹5000 from AccountID 1 to AccountID 4

Step 1: Deduct from source if balance is enough

UPDATE Accounts

SET Balance = Balance - 5000

WHERE AccountID = 1 AND Balance >= 5000;

Step 2: Add to destination account

UPDATE Accounts

SET Balance = Balance + 5000

WHERE AccountID = 4;

-- 6. FINAL OUTPUTS

SELECT \* FROM Accounts;

SELECT \* FROM Employees;

