**ACCOUNTS (AccountID, AccountHoldername, Balance)**

**TRANSACTIONS (TranID, AccountID, Amount, Date,Trantype)**

CREATE TABLE ACCOUNTS (

AccountID NUMBER(10) PRIMARY KEY,

AccountHolderName VARCHAR2(10),

Balance NUMBER(10,2) CHECK (Balance >= 0),

Status VARCHAR2(10) CHECK (Status IN ('ACTIVE', 'CLOSED'))

);

CREATE TABLE TRANSACTIONS (

TranID NUMBER(10) PRIMARY KEY,

AccountID NUMBER(10),

Amount NUMBER(10,2) CHECK (Amount > 0),

Date DATE DEFAULT SYSDATE,

Trantype CHAR(1) CHECK (Trantype IN ('D', 'W')),

CONSTRAINT fk\_transactions\_account FOREIGN KEY (AccountID) REFERENCES ACCOUNTS(AccountID)

);

**5. Track daily transactions**

CREATE OR REPLACE TRIGGER track\_daily\_transactions

AFTER INSERT ON TRANSACTIONS

FOR EACH ROW

BEGIN

INSERT INTO DAILY\_TRANSACTIONS (TranID, AccountID, Amount, Date, Trantype)

VALUES (:NEW.TranID, :NEW.AccountID, :NEW.Amount, :NEW.Date, :NEW.Trantype);

END;

/

**4. Update Account Status for Zero Balance**

Closes accounts when **balance reaches zero**.

CREATE OR REPLACE TRIGGER close\_account\_on\_zero\_balance

AFTER UPDATE OF Balance ON ACCOUNTS

FOR EACH ROW

BEGIN

IF :NEW.Balance = 0 THEN

UPDATE ACCOUNTS SET Status = 'CLOSED' WHERE AccountID = :NEW.AccountID;

END IF;

END;

/

3

CREATE OR REPLACE TRIGGER deduct\_transaction\_fee

BEFORE INSERT ON TRANSACTIONS

FOR EACH ROW

DECLARE

v\_balance NUMBER;

BEGIN

SELECT Balance INTO v\_balance FROM ACCOUNTS WHERE AccountID = :NEW.AccountID;

IF :NEW.Trantype = 'W' AND :NEW.Amount > 25000 THEN

:NEW.Amount := :NEW.Amount + 50;

END IF;

-- Deduct the final amount from the account balance

UPDATE ACCOUNTS

SET Balance = Balance - :NEW.Amount

WHERE AccountID = :NEW.AccountID;

END;

/