**Stored Procedures**

**Scenario 1:**

CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest AS

BEGIN

    FOR acc IN (

        SELECT AccountID, Balance

        FROM Accounts

        WHERE AccountType = 'Savings'

    ) LOOP

        UPDATE Accounts

        SET Balance = acc.Balance + (acc.Balance \* 0.01),

            LastModified = SYSDATE

        WHERE AccountID = acc.AccountID;

    END LOOP;

END;

/

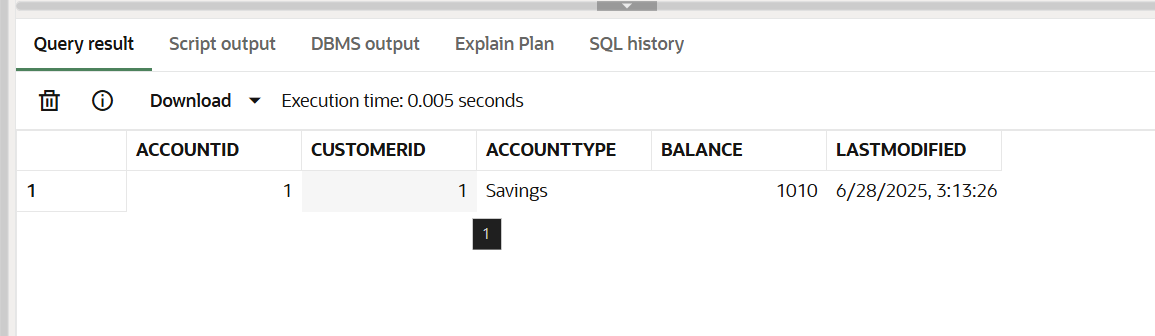
SELECT \* FROM Accounts WHERE AccountType = 'Savings';

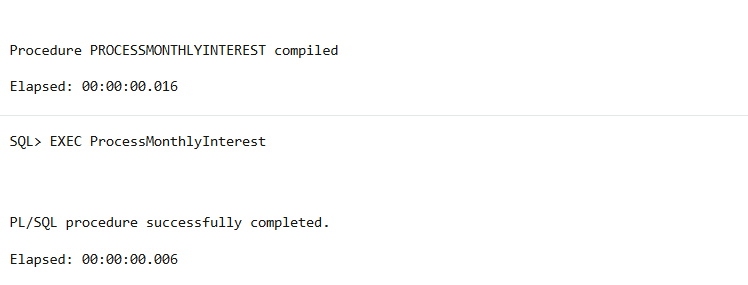
EXEC ProcessMonthlyInterest;

SELECT \* FROM Accounts WHERE AccountType = 'Savings';

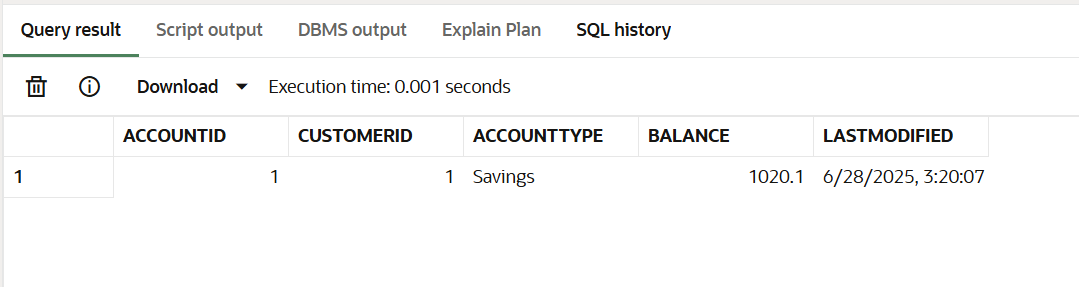
**Output:**

**Before Execution**

****

****

**After Execution**

****

**Scenario 2:**

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(

    dept IN VARCHAR2,

    bonus\_pct IN NUMBER

) AS

BEGIN

    UPDATE Employees

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

    WHERE Department = dept;

END;

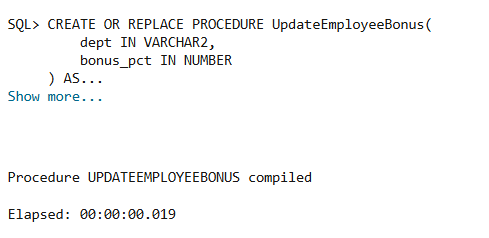
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SELECT \* FROM Employees WHERE Department = 'IT';

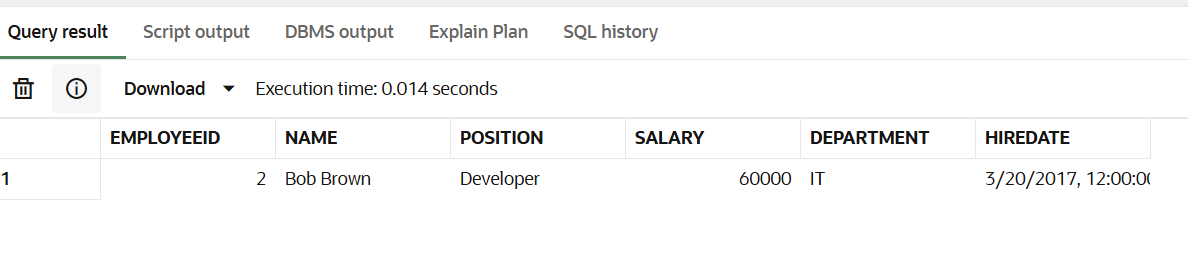
EXEC UpdateEmployeeBonus('IT', 10);

SELECT \* FROM Employees WHERE Department = 'IT';

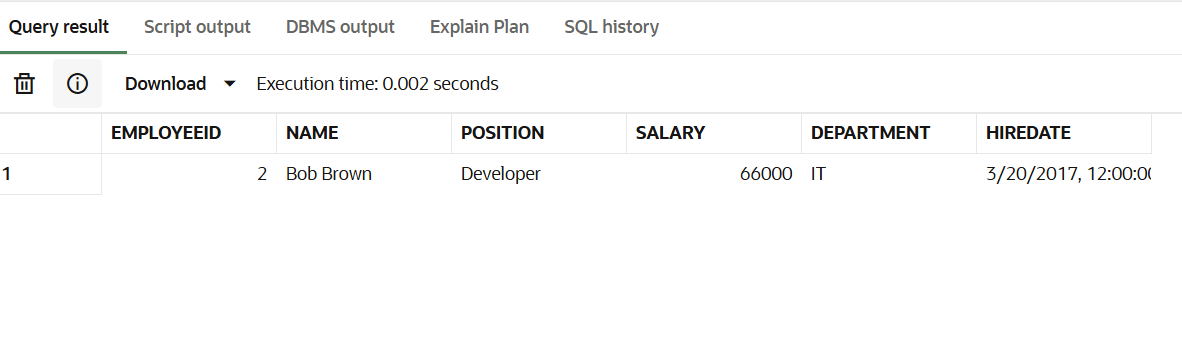
**Output:**



**Before**



**After**



**Scenario 3:**

CREATE OR REPLACE PROCEDURE TransferFunds(

    from\_account IN NUMBER,

    to\_account IN NUMBER,

    amount IN NUMBER

) AS

    from\_balance NUMBER;

BEGIN

    -- Get current balance

    SELECT Balance INTO from\_balance FROM Accounts WHERE AccountID = from\_account;

    IF from\_balance >= amount THEN

        -- Deduct from sender

        UPDATE Accounts

        SET Balance = Balance - amount,

            LastModified = SYSDATE

        WHERE AccountID = from\_account;

        -- Add to receiver

        UPDATE Accounts

        SET Balance = Balance + amount,

            LastModified = SYSDATE

        WHERE AccountID = to\_account;

    ELSE

        DBMS\_OUTPUT.PUT\_LINE('Insufficient balance in source account.');

    END IF;

END;

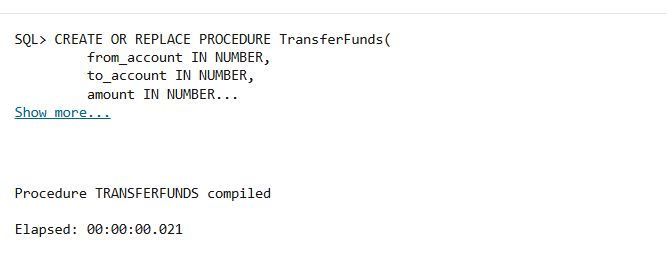
/

SELECT \* FROM Accounts WHERE AccountID IN (1, 2);

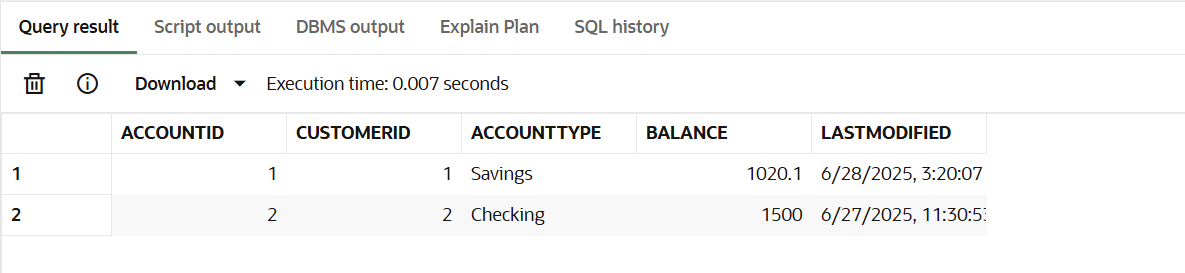
EXEC TransferFunds(1, 2, 500);

SELECT \* FROM Accounts WHERE AccountID IN (1, 2);

**Output:**



**Before**



**After**

