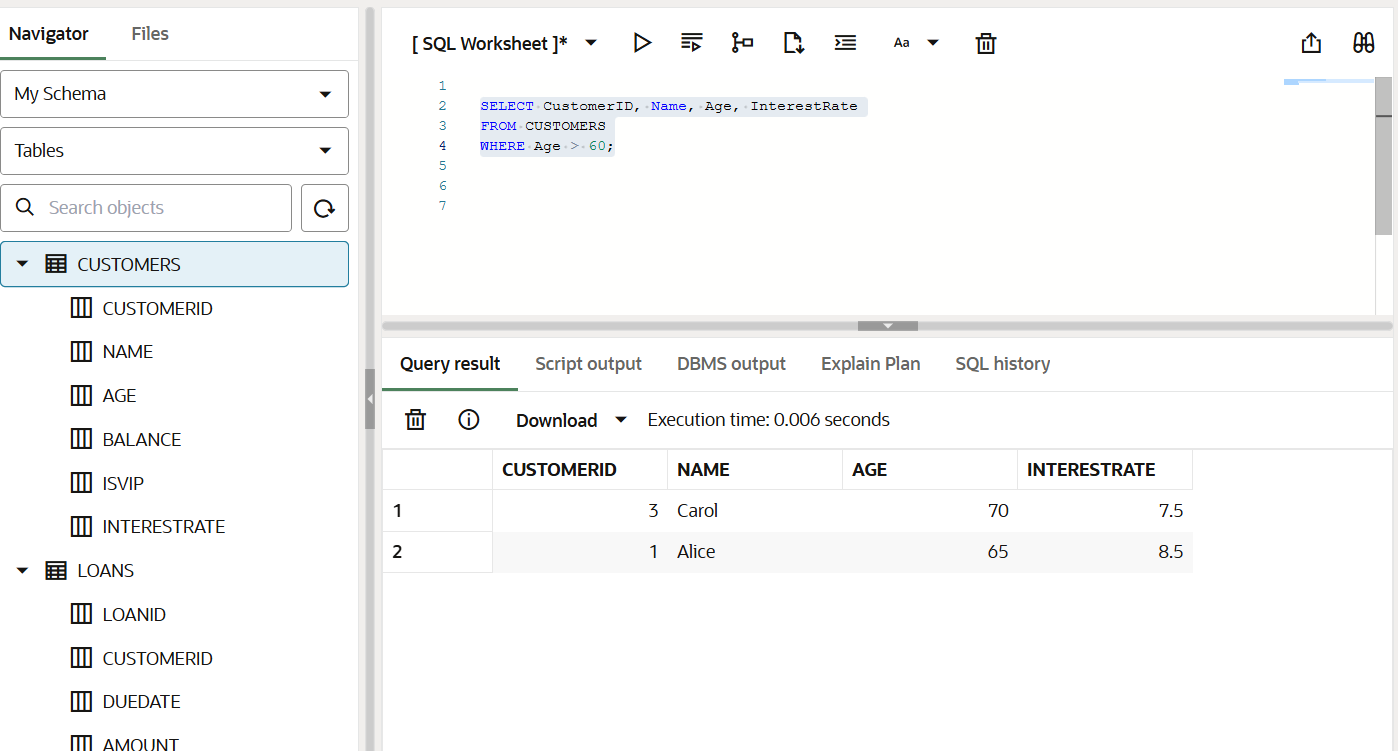
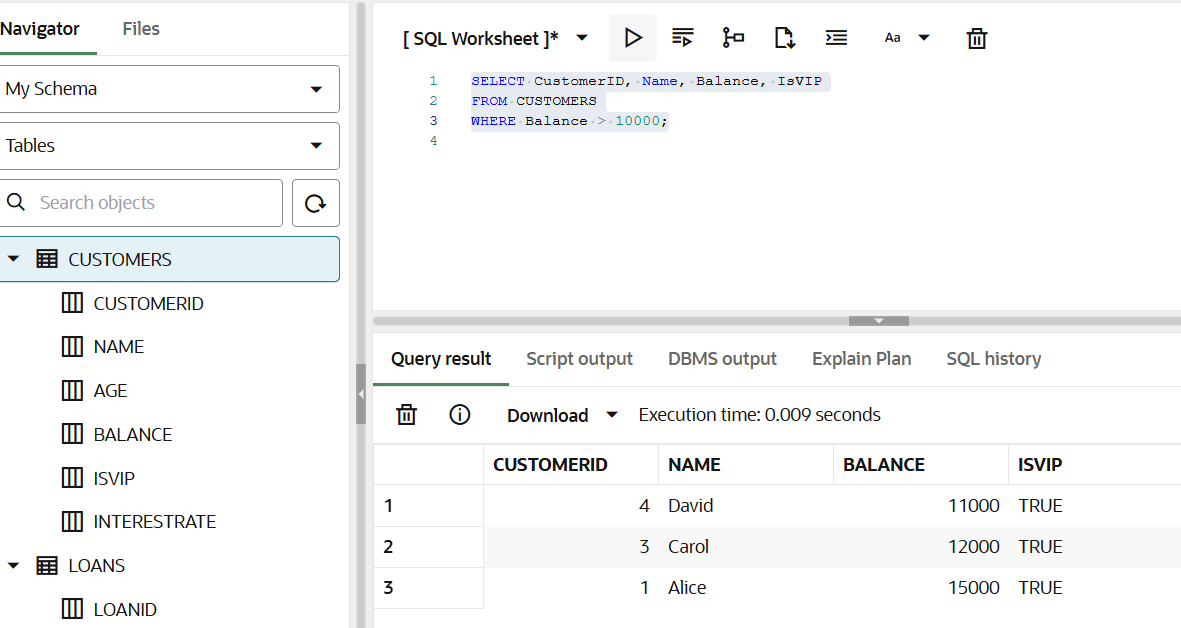
**PL/SQL programming**

**Exercise 1: Control Structures**

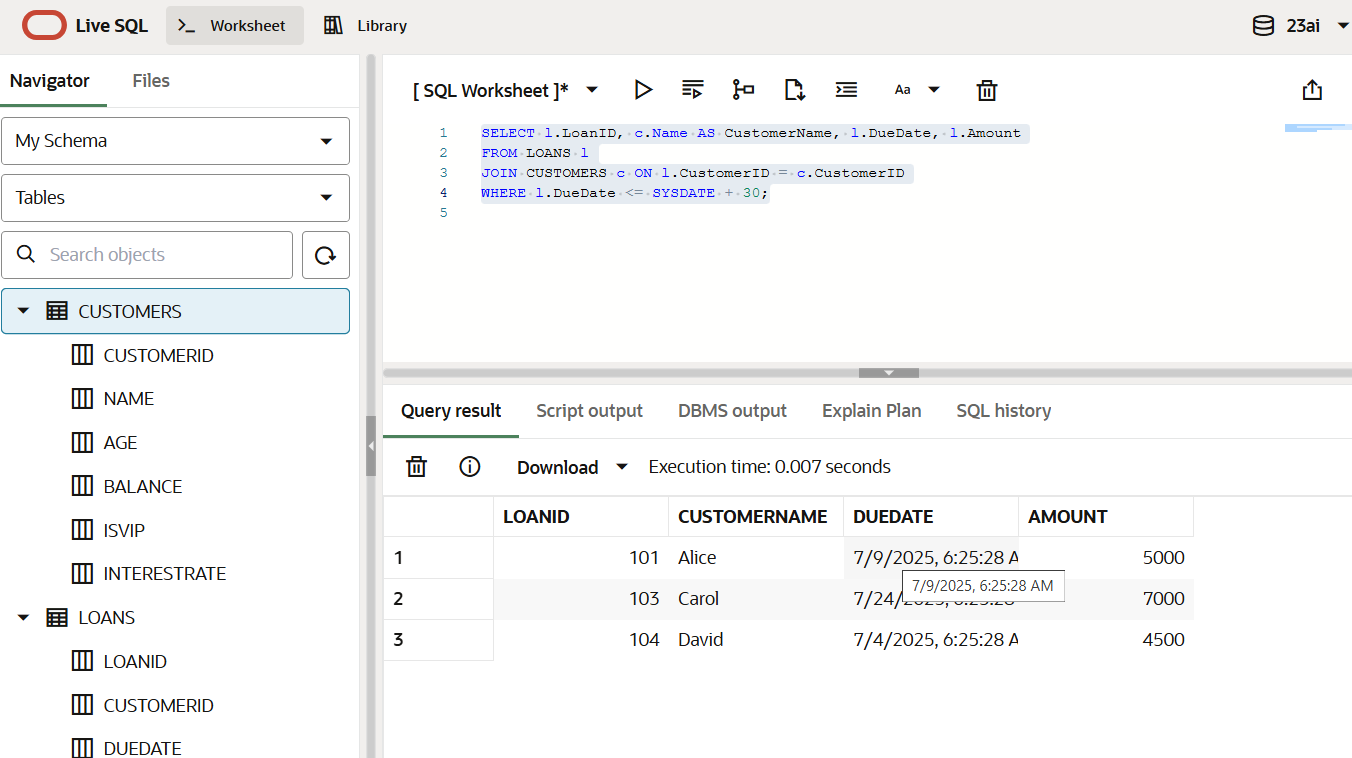
**Scenario 1 :Customers over 60**

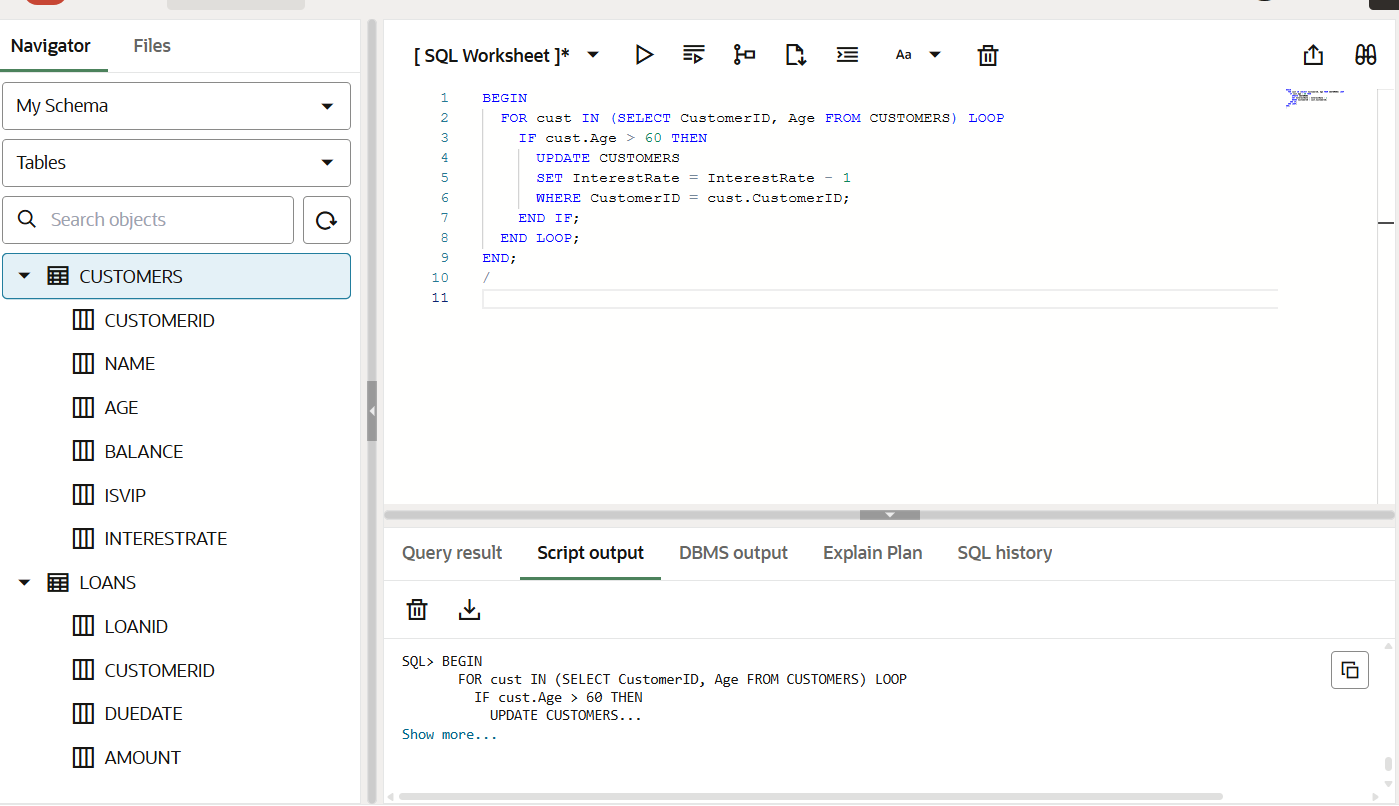
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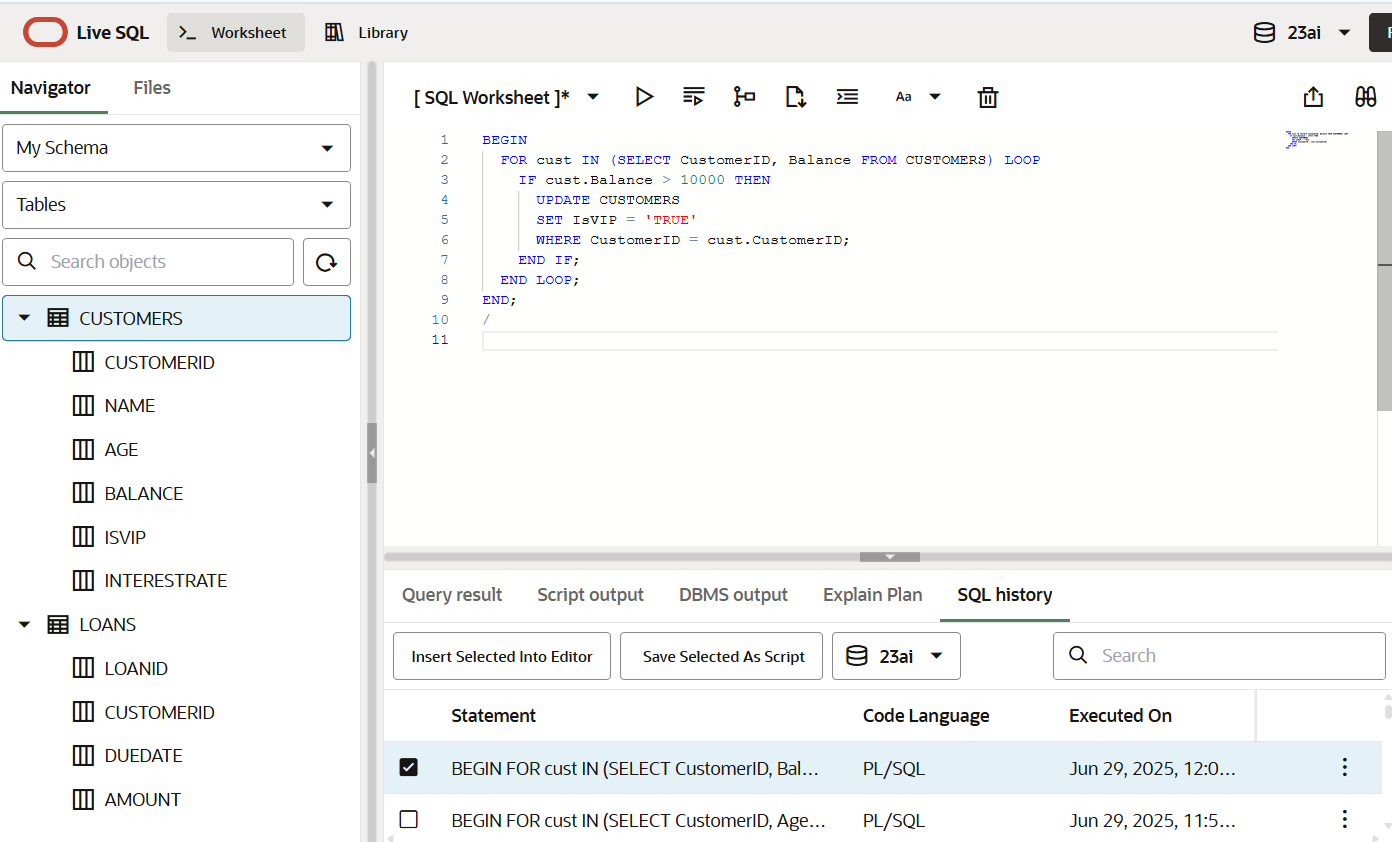
**Scenario 2 Customers with Balance > 10000**

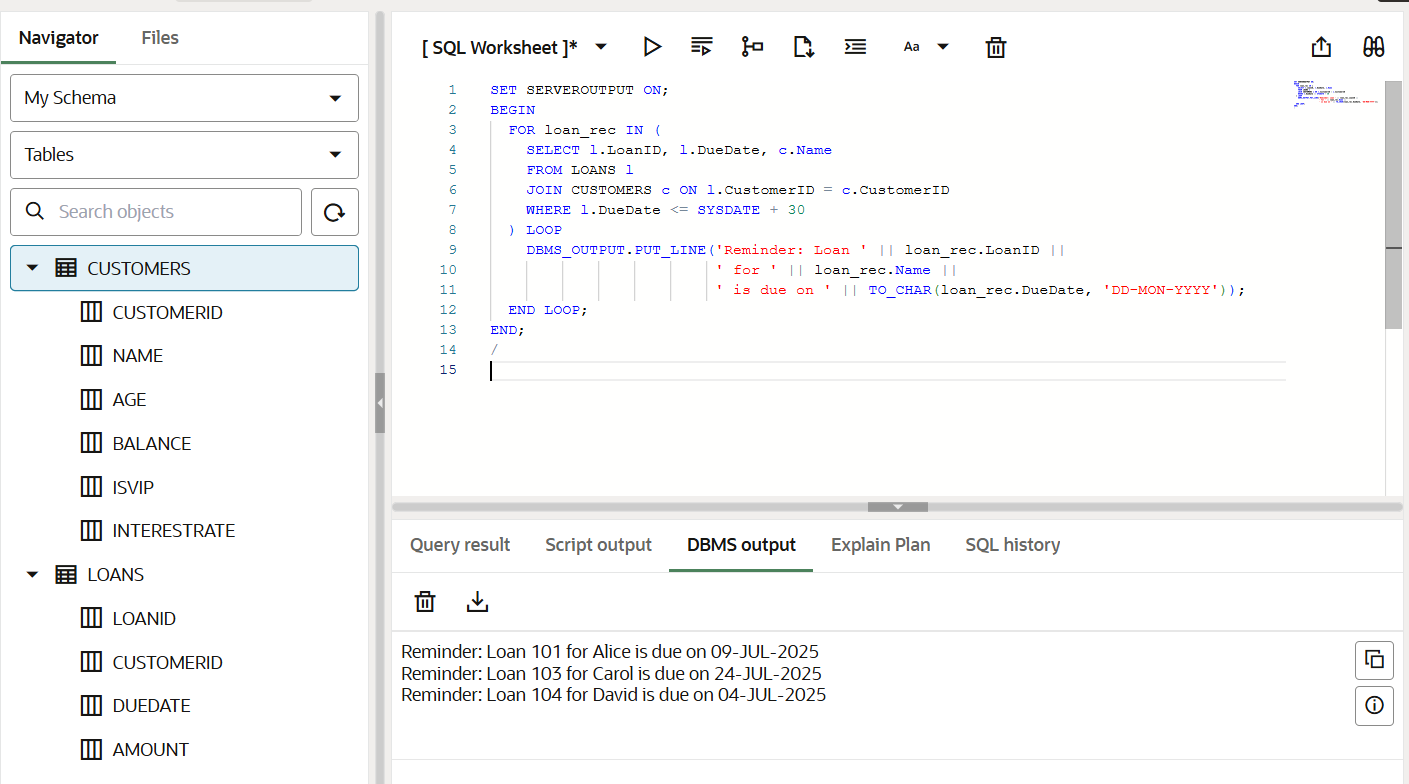
****

**Scenario 3: Loans due in the next 30 days → Reminders**

****







**Output**

Reminder: Loan 101 for Alice is due on 09-JUL-2025

Reminder: Loan 103 for Carol is due on 24-JUL-2025

Reminder: Loan 104 for David is due on 04-JUL-2025

**Exercise 3: Stored Procedures**

**Scenario 1: ProcessMonthlyInterest Procedure**

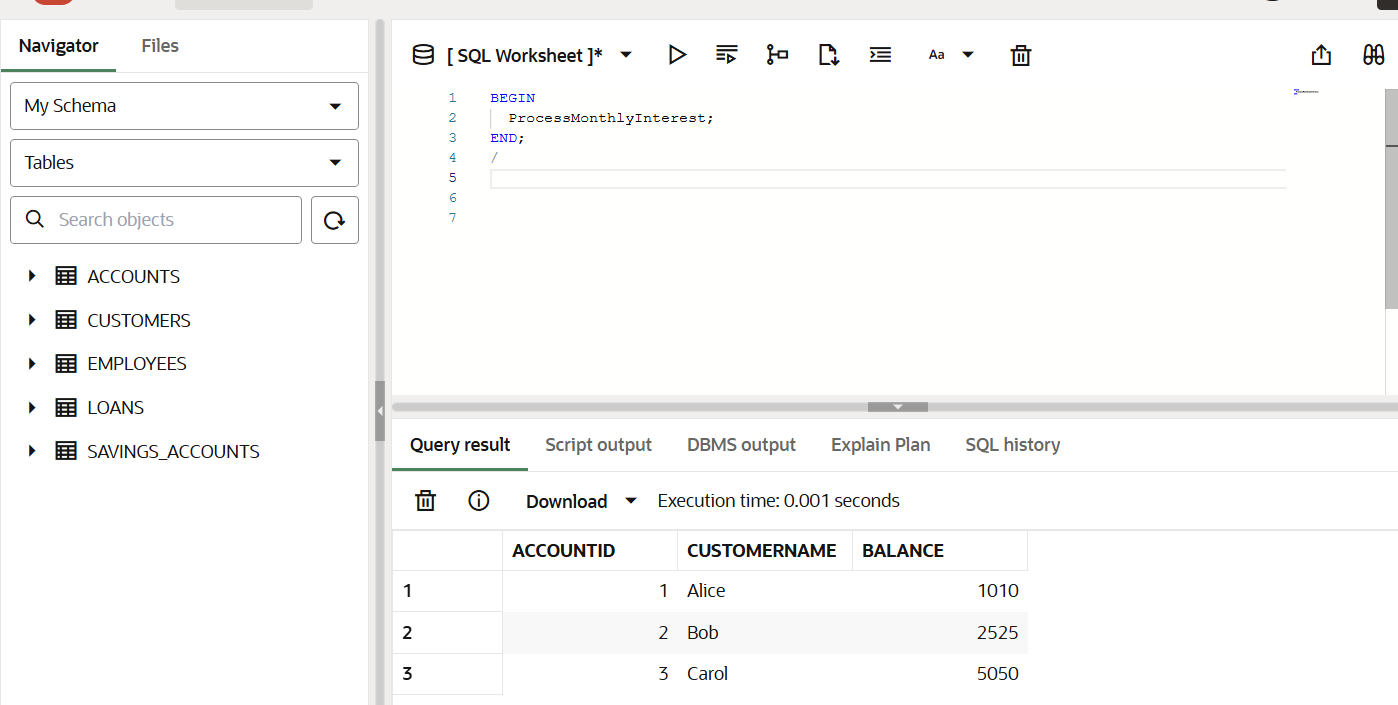
CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest IS

BEGIN

UPDATE SAVINGS\_ACCOUNTS

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

END;

****

**Scenario 2: UpdateEmployeeBonus Procedure**

CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus (

p\_Department IN VARCHAR2,

p\_BonusPercent IN NUMBER

) IS

BEGIN

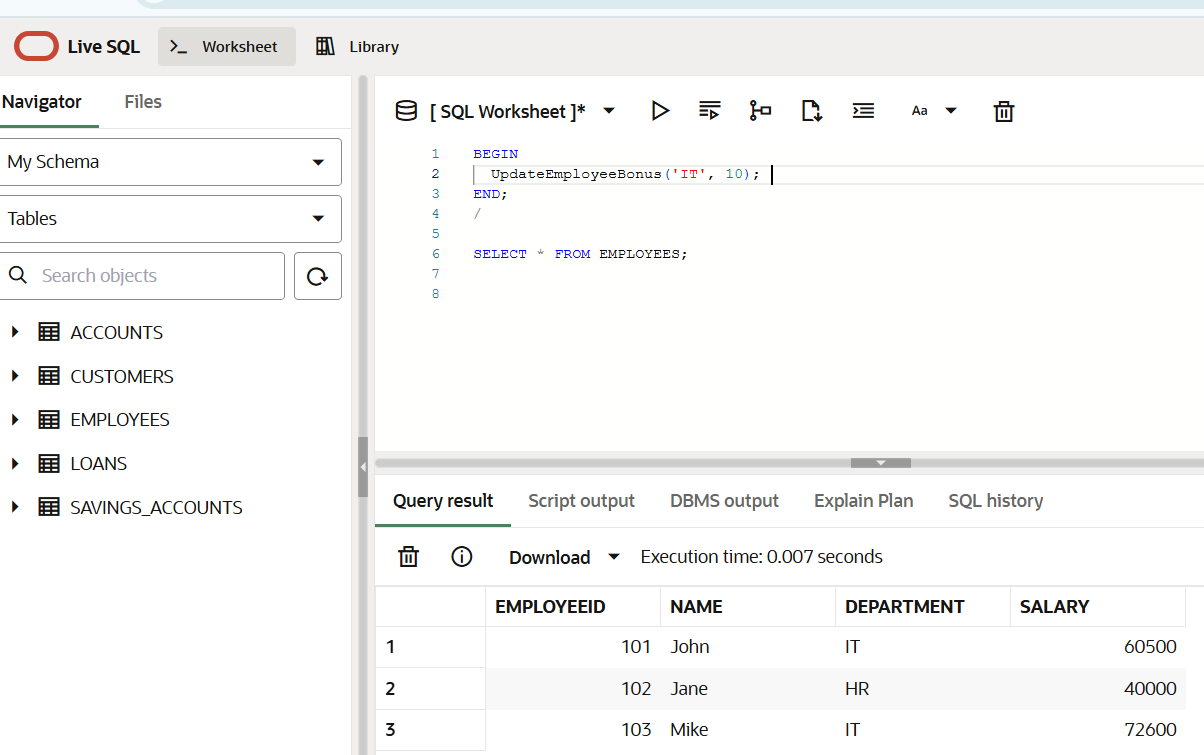
UPDATE EMPLOYEES

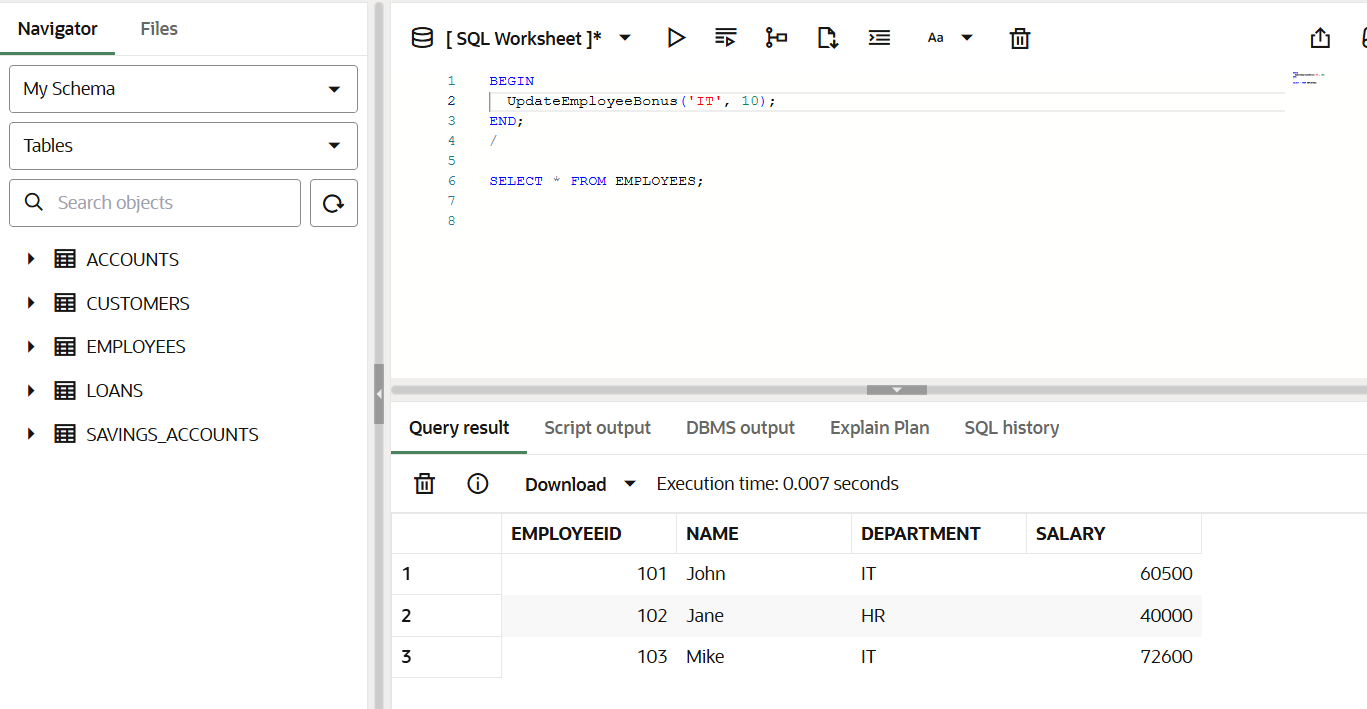
SET Salary = Salary + (Salary \* p\_BonusPercent / 100)

WHERE Department = p\_Department;

END;

/

****

****

**Scenario 3: TransferFunds Procedure**

CREATE OR REPLACE PROCEDURE TransferFunds (

p\_FromAccount IN NUMBER,

p\_ToAccount IN NUMBER,

p\_Amount IN NUMBER

) IS

v\_FromBalance NUMBER;

BEGIN

SELECT Balance INTO v\_FromBalance FROM ACCOUNTS WHERE AccountID = p\_FromAccount;

IF v\_FromBalance < p\_Amount THEN

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

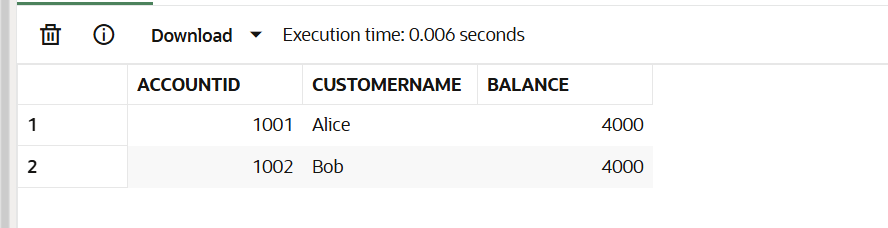
END IF;

UPDATE ACCOUNTS

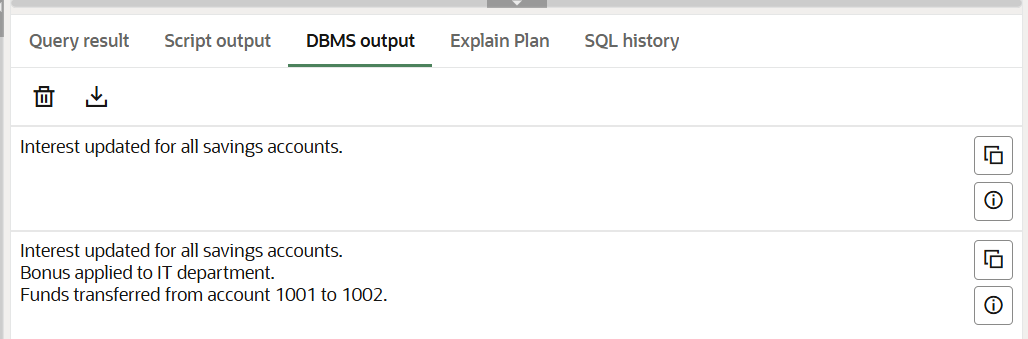
SET Balance = Balance - p\_Amount

WHERE AccountID = p\_FromAccount;

UPDATE ACCOUNTS SET Balance = Balance + p\_AmountWHERE AccountID = p\_ToAccount; END;



**Output**

****