**Superset ID:**  6125132  
**Name:** Podugu Vinay Kumar

**Week : 2  
Exercise 3: Stored Procedures**

**Query Statements:**

DELIMITER //

CREATE PROCEDURE ProcessMonthlyInterest()

BEGIN

UPDATE Accounts

SET Balance = Balance \* 1.01,

LastModified = NOW()

WHERE AccountType = 'Savings';

END;

//

DELIMITER ;

DELIMITER //

CREATE PROCEDURE UpdateEmployeeBonus(

IN deptName VARCHAR(50),

IN bonusPercent DECIMAL(5,2)

)

BEGIN

UPDATE Employees

SET Salary = Salary + (Salary \* bonusPercent / 100)

WHERE Department = deptName;

END;

//

DELIMITER ;

CALL UpdateEmployeeBonus('IT', 10);

DELIMITER //

CREATE PROCEDURE TransferFunds(

IN fromAccount INT,

IN toAccount INT,

IN amount DECIMAL(10,2)

)

BEGIN

DECLARE fromBalance DECIMAL(10,2);

SELECT Balance INTO fromBalance

FROM Accounts

WHERE AccountID = fromAccount;

IF fromBalance >= amount THEN

UPDATE Accounts

SET Balance = Balance - amount, LastModified = NOW()

WHERE AccountID = fromAccount;

UPDATE Accounts

SET Balance = Balance + amount, LastModified = NOW()

WHERE AccountID = toAccount;

ELSE

SIGNAL SQLSTATE '45000'

SET MESSAGE\_TEXT = 'Insufficient funds for transfer';

END IF;

END;

//

DELIMITER ;

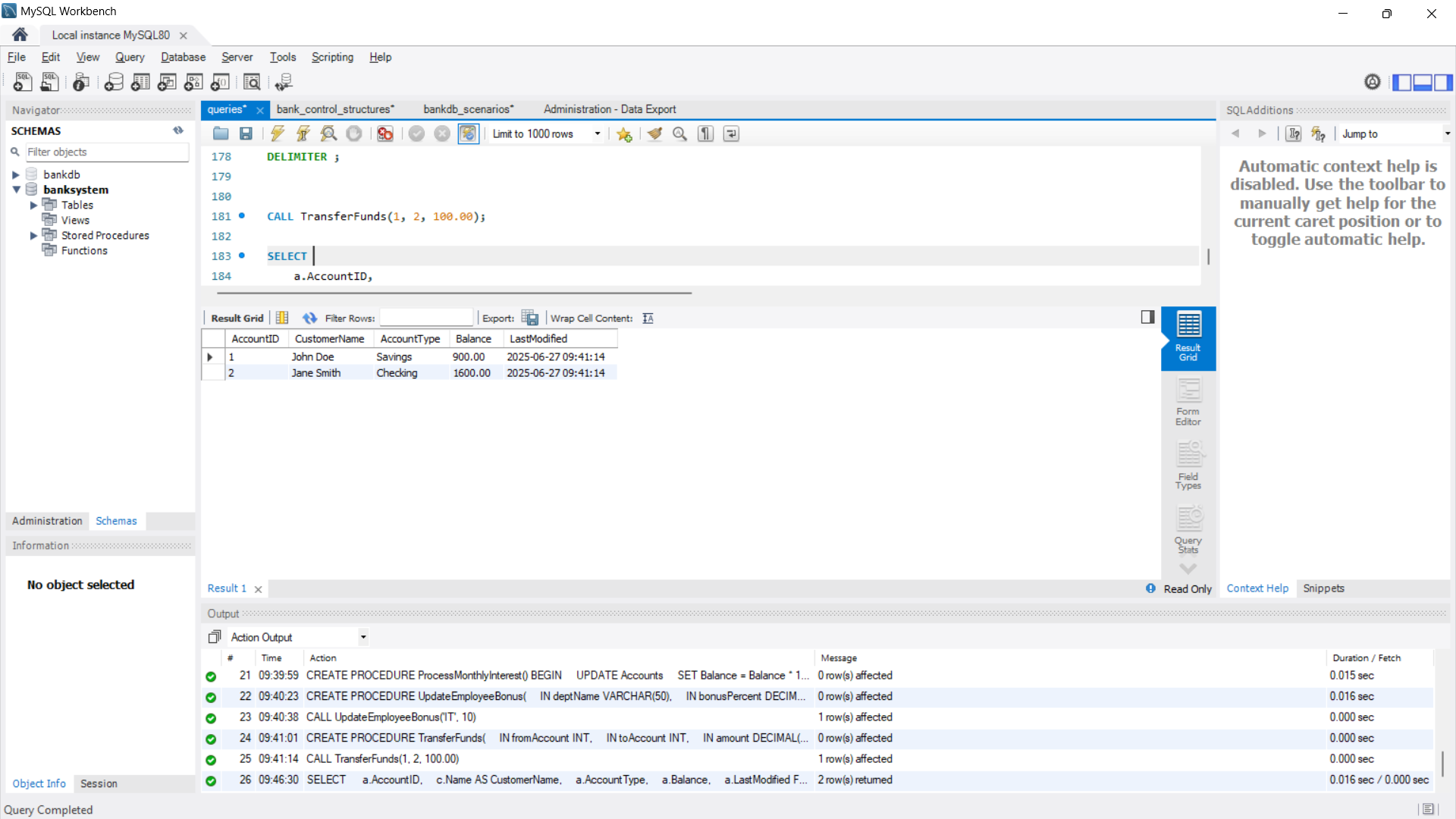
// to see the updated table we use  
  
SELECT

AccountID,

Balance,

LastModified

FROM Accounts

WHERE AccountID IN (1, 2);  
  
**Output:  
**