# Exercise 3: Stored Procedures

## Scenario 1

-- Exercise 3: Stored Procedures  
  
-- Scenario 1: ProcessMonthlyInterest  
CREATE OR REPLACE PROCEDURE ProcessMonthlyInterest IS  
BEGIN  
 UPDATE Accounts SET Balance = Balance + (Balance \* 0.01)  
 WHERE AccountType = 'Savings';  
END;  
/

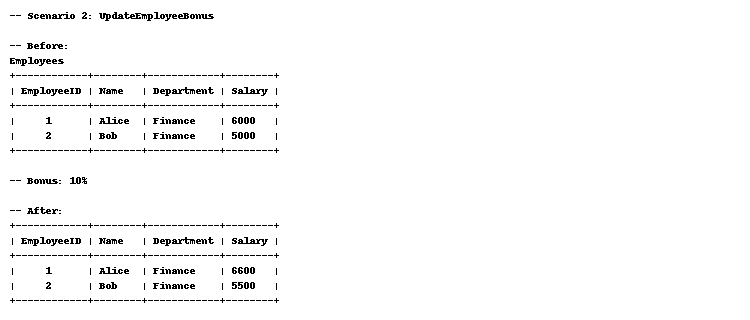
Output:



## Scenario 2

-- Scenario 2: UpdateEmployeeBonus  
CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(dept VARCHAR2, bonus\_pct NUMBER) IS  
BEGIN  
 UPDATE Employees SET Salary = Salary + (Salary \* bonus\_pct / 100)  
 WHERE Department = dept;  
END;  
/

Output:



## Scenario 3

-- Scenario 3: TransferFunds  
CREATE OR REPLACE PROCEDURE TransferFunds(from\_acct NUMBER, to\_acct NUMBER, amt NUMBER) IS  
 v\_balance NUMBER;  
BEGIN  
 SELECT Balance INTO v\_balance FROM Accounts WHERE AccountID = from\_acct;  
 IF v\_balance < amt THEN  
 RAISE\_APPLICATION\_ERROR(-20004, 'Insufficient balance');  
 END IF;  
  
 UPDATE Accounts SET Balance = Balance - amt WHERE AccountID = from\_acct;  
 UPDATE Accounts SET Balance = Balance + amt WHERE AccountID = to\_acct;  
 COMMIT;  
END;  
/

Output:

