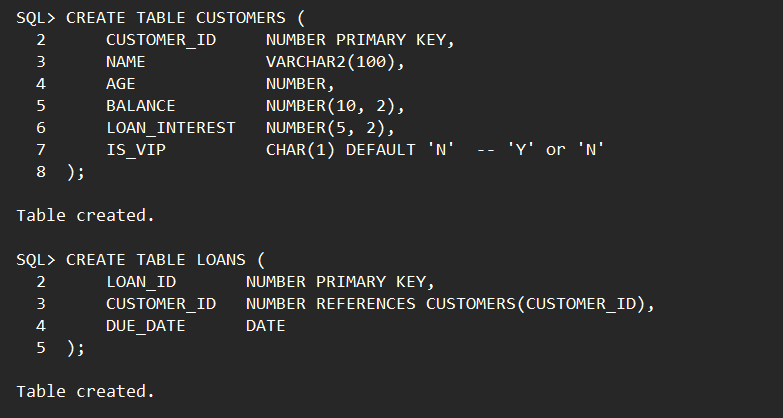
# Pl/SQL EXCERCISES

**Exercise 1: Control Structures**

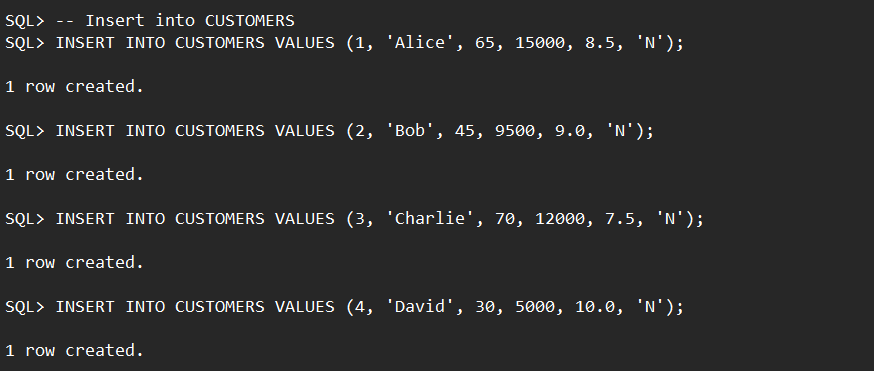
**Scenario 1:** The bank needs to process monthly interest for all savings accounts.

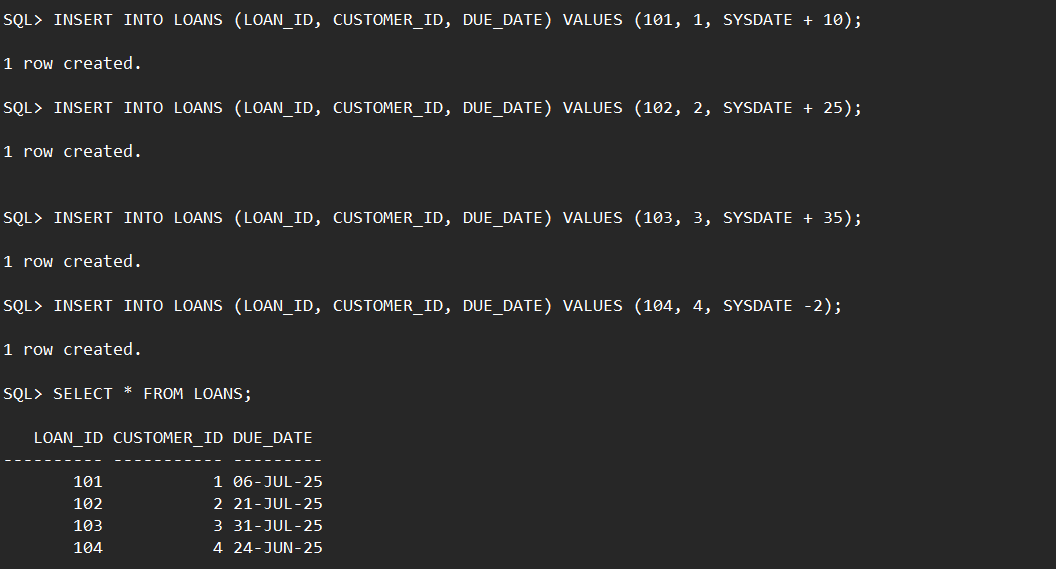
* + **Question:** Write a stored procedure **ProcessMonthlyInterest** that calculates and updates the balance of all savings accounts by applying an interest rate of 1% to the current balance.

**Step1: Create required tables**

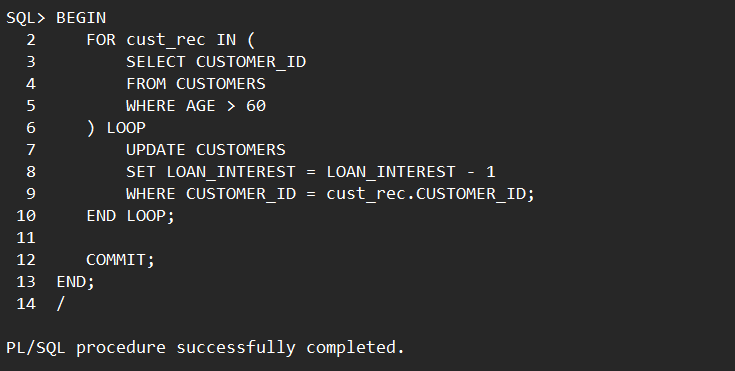


**Step2: Insert data into tables**

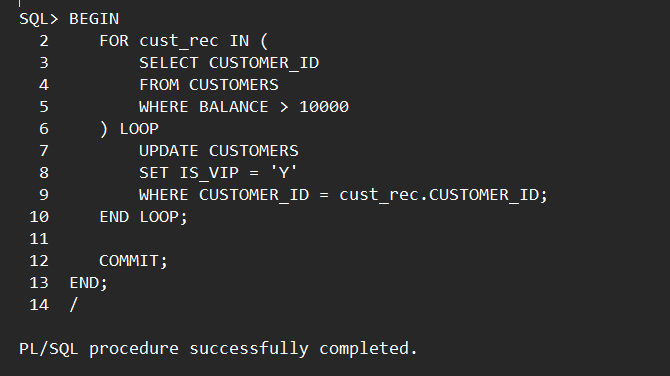




**Step3: Scenario 1 – Apply 1% Discount for Age > 60:**

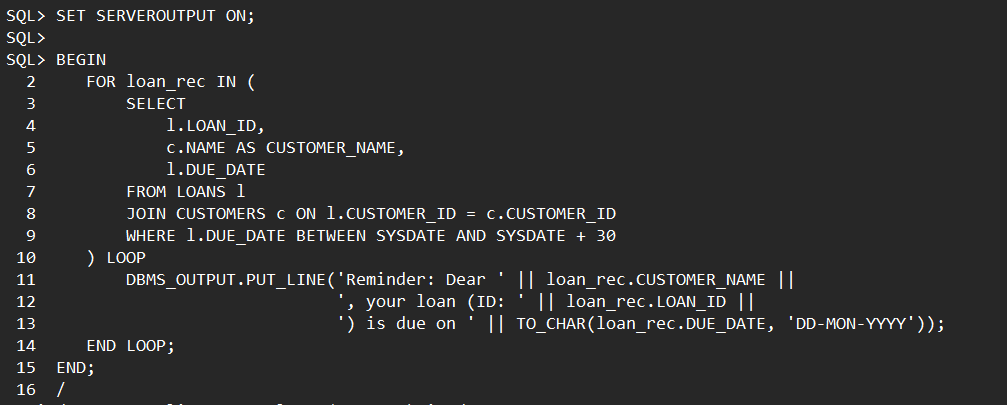


**Step-4 : Scenario 2 – Promote to VIP for Balance > $10,000**

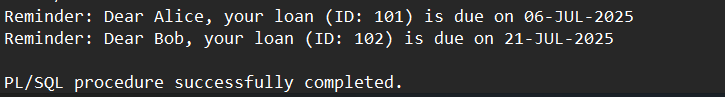


**Step-5: Scenario 3 – Loan Due Reminder (Next 30 Days)**

**Question: Write a PL/SQL block that fetches all loans due in the next 30 days and prints a reminder message for each customer**

****

**Output:**

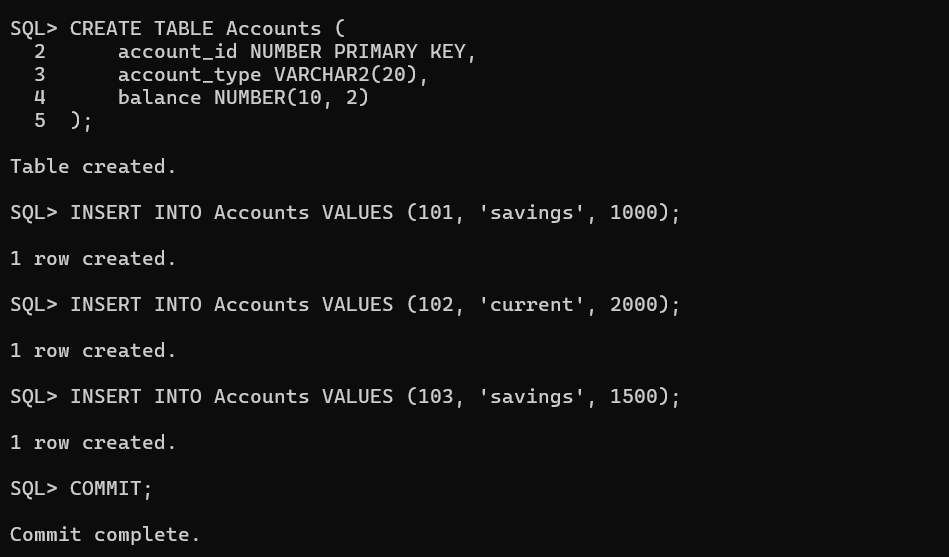
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**Exercise 3: Stored Procedures**

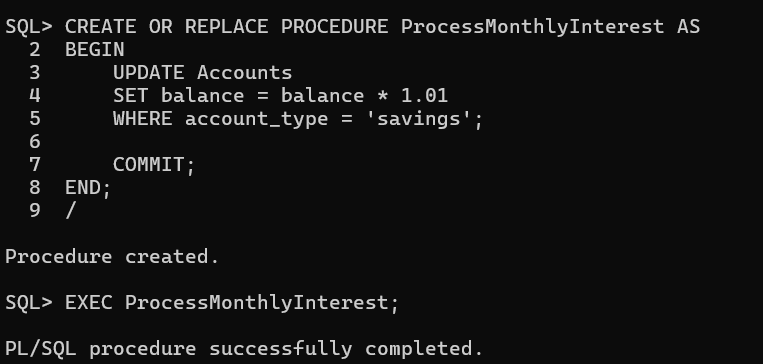
**Scenario 1: The bank needs to process monthly interest for all savings accounts.**

* + **Question: Write a stored procedure ProcessMonthlyInterest that calculates and updates the balance of all savings accounts by applying an interest rate of 1% to the current balance.**

**Step 1:Create accounts table and insert data**



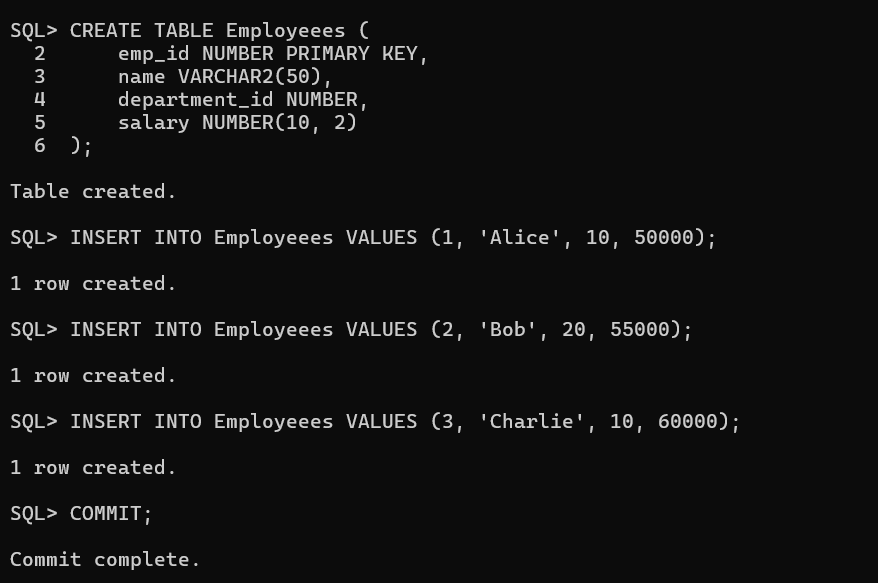
**Step 2: A stored procedure to calculate monthly interest**



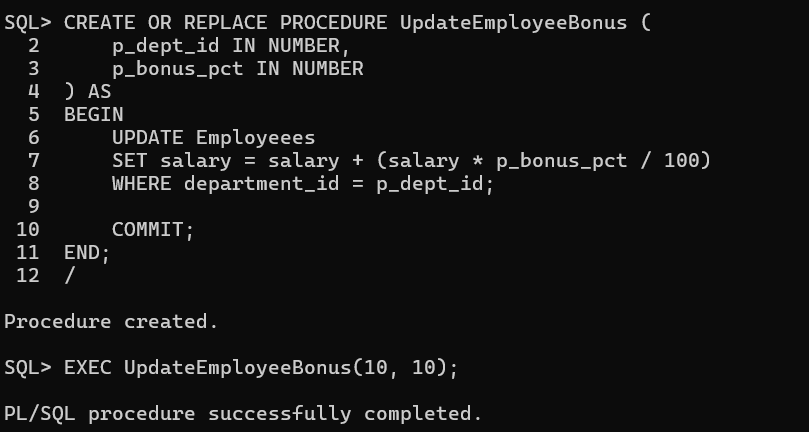
**Scenario 2: The bank wants to implement a bonus scheme for employees based on their performance.**

* + **Question: Write a stored procedure UpdateEmployeeBonus that updates the salary of employees in a given department by adding a bonus percentage passed as a parameter.**

**Step 1: Create employeees table**



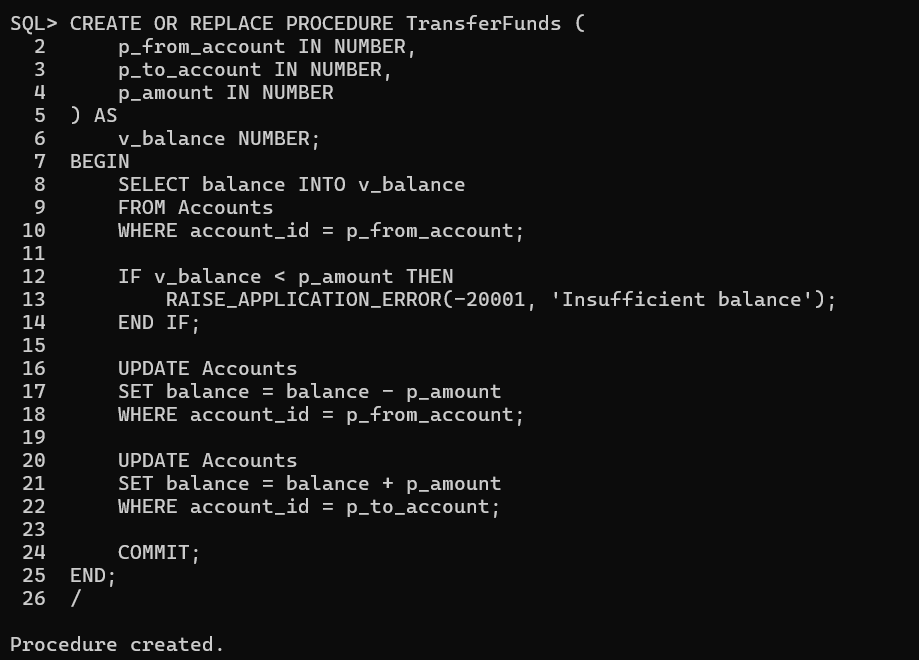
**Step 2: A Stored procedure to update the salary of employees in a given department**



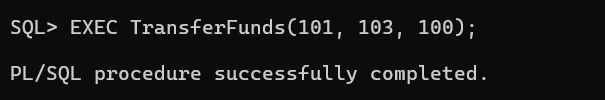
**Scenario 3: Customers should be able to transfer funds between their accounts.**

* + **Question: Write a stored procedure TransferFunds that transfers a specified amount from one account to another, checking that the source account has sufficient balance before making the transfer.**

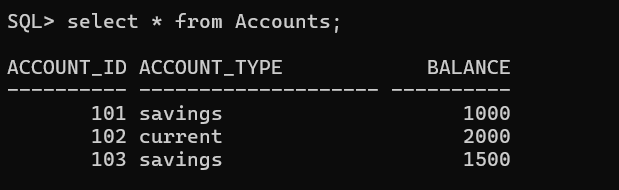
**Step 1:Used the same accounts table and created a procedure to transfer funds between accounts**



**Step 2:Transfering funds from one account to another**



**Step 3: Results Before Transferring**



**After Transfer**

