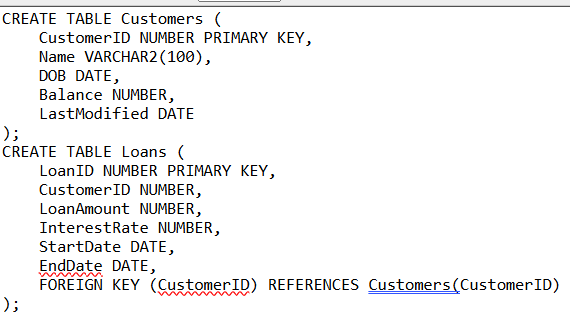
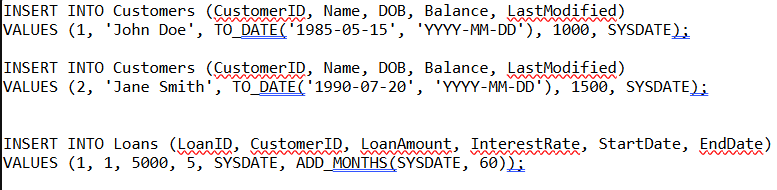
**PL/SQL Programming**

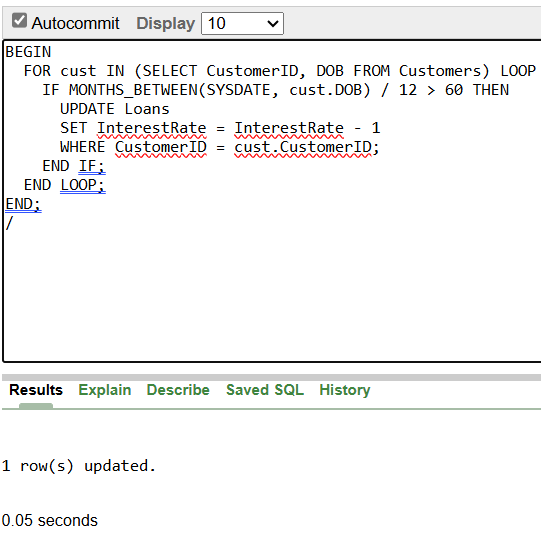
**Exercise 1: Control Structures**

**Scenario 1: The bank wants to apply a discount to loan interest rates for customers above 60 years old.**

* **Question:** Write a PL/SQL block that loops through all customers, checks their age, and if they are above 60, apply a 1% discount to their current loan interest rates.
* **Code:**







**A computer screen shot of a number

AI-generated content may be incorrect.**

* **Output:**

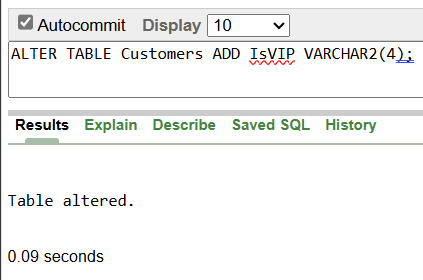
**A close-up of a computer code

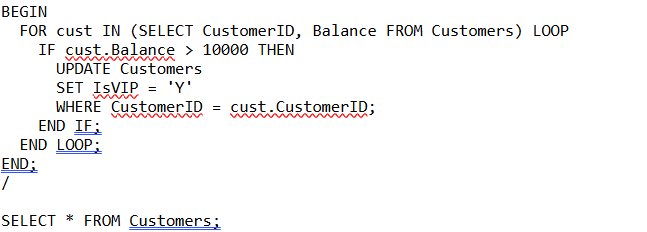
AI-generated content may be incorrect.**

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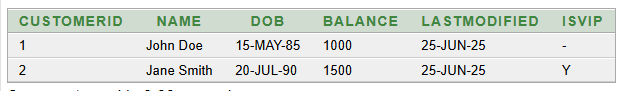
**Scenario 2: A customer can be promoted to VIP status based on their balance.**

* **Question:** Write a PL/SQL block that iterates through all customers and sets a flag IsVIP to TRUE for those with a balance over $10,000.
* **Code:**



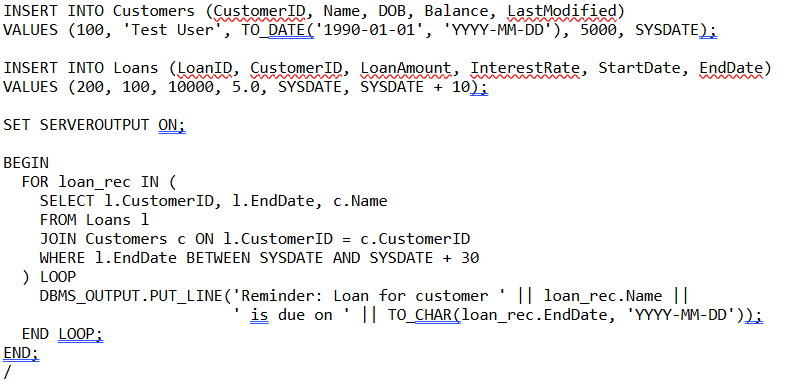


* **Output:**

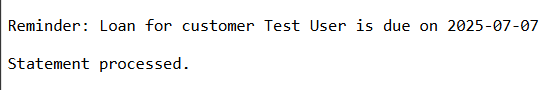
****

**Scenario 3: The bank wants to send reminders to customers whose loans are due within the 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.
* **Code:**



**Output:**

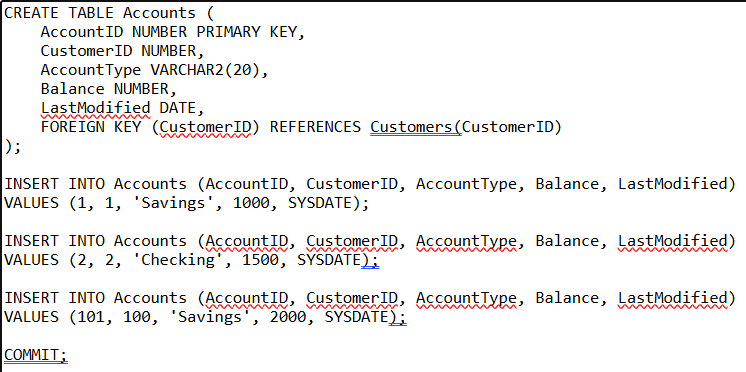
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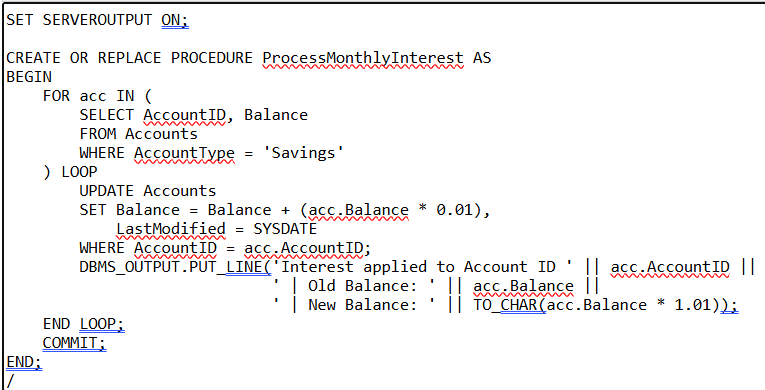
**----------------------------------------------------------------------------------------------------------------**

**Exercise 3: Stored Procedures**

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

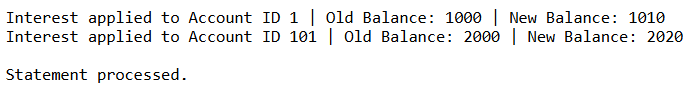
* **Question:** Write a stored procedure **ProcessMonthlyInterest** that calculates and updates the balance of all savings accounts by applying an interest rate of 1% to the current balance.
* **Code:**







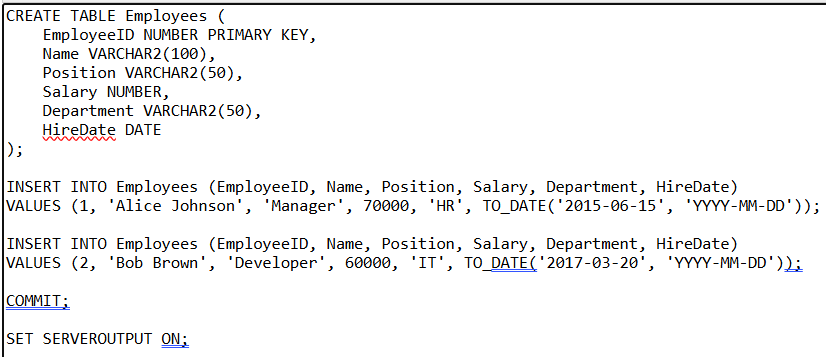
* **Output:**



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**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.
* **Code:**



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* **Output:**

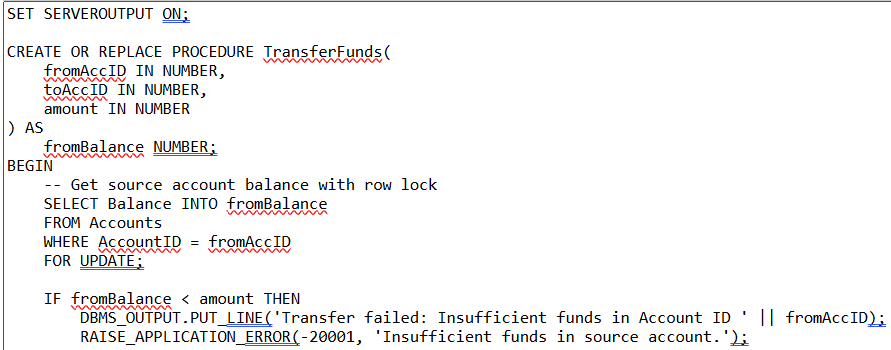
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**-------------------------------------------------------------------------------------------------------**

**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.
* **Code:**



A computer screen shot of a computer code

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* **Output:**

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