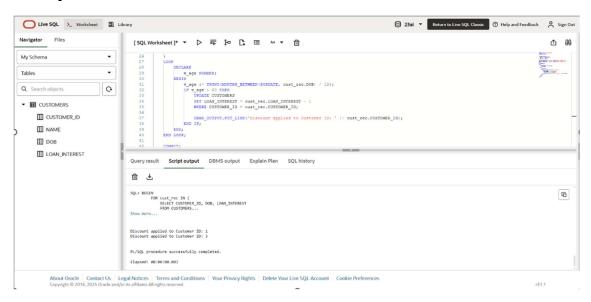
## **Exercise 1: Control Structures**

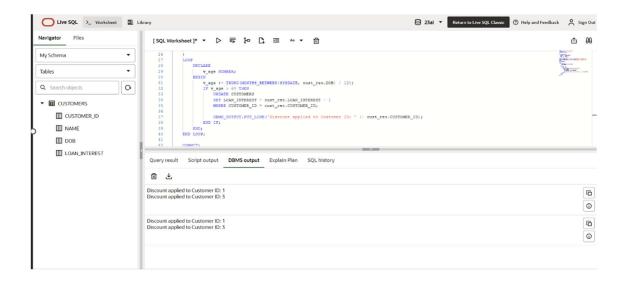
## **Scenario 1:**

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.



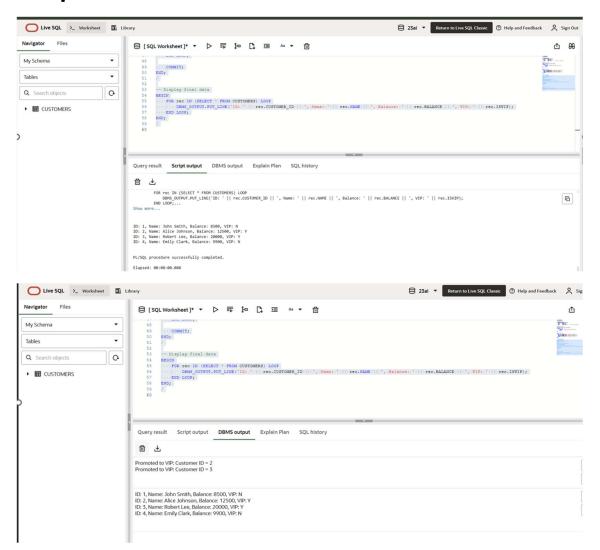


# Scenario 2:

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.

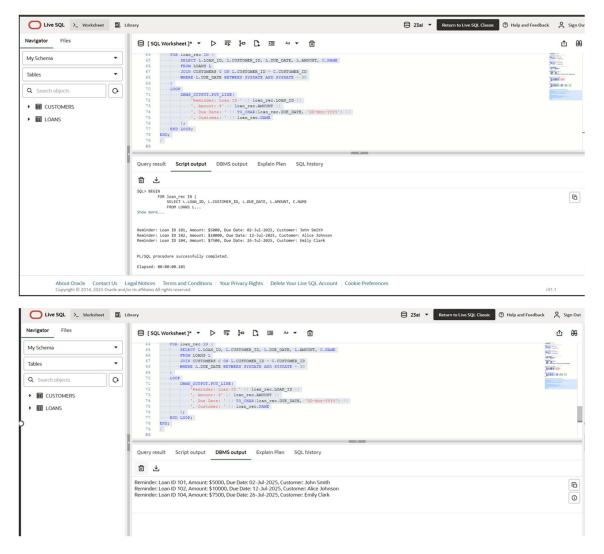


### **Scenario 3:**

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.



# **Exercise 2: Error Handling**

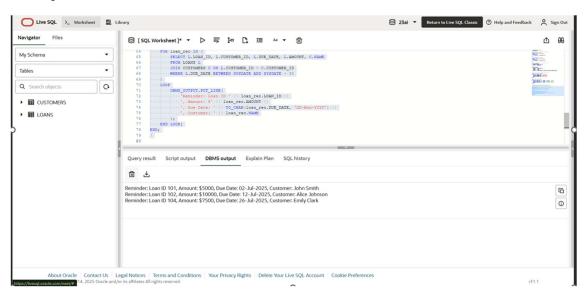
#### **Scenario 1:**

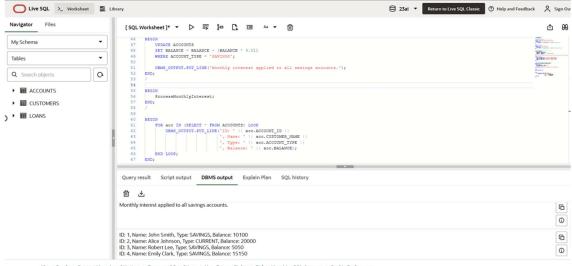
Handle exceptions during fund transfers between accounts.

### **Question:**

Write a stored procedure SafeTransferFunds that transfers funds between two accounts.

Ensure that if any error occurs (e.g., insufficient funds), an appropriate error message is logged and the transaction is rolled back.





About Oracle Contact Us Legal Notices Terms and Conditions Your Privacy Rights Delete Your Live SQL Account Cookie Preferences

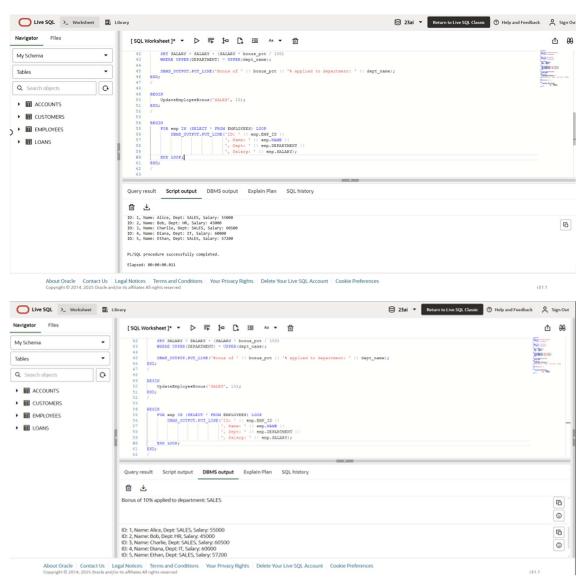
r31.1

### Scenario 2:

Manage errors when updating employee salaries.

### **Question:**

Write a stored procedure UpdateSalary that increases the salary of an employee by a given percentage. If the employee ID does not exist, handle the exception and log an error message.



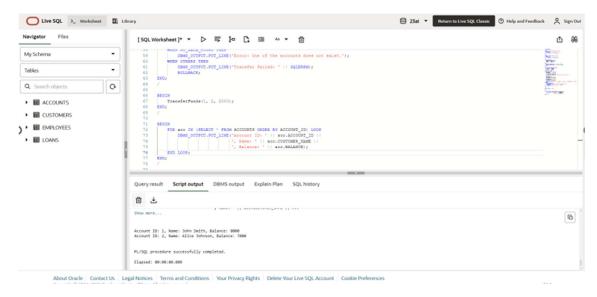
#### Scenario 3:

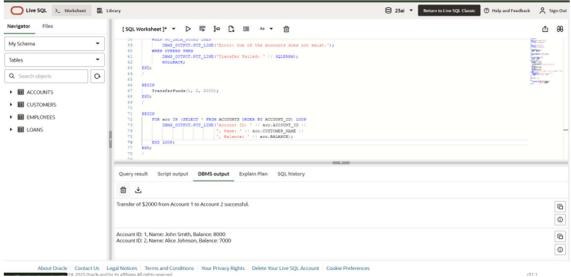
Ensure data integrity when adding a new customer.

### **Question:**

Write a stored procedure AddNewCustomer that inserts a new customer into the Customers table.

If a customer with the same ID already exists, handle the exception by logging an error and preventing the insertion.





431.1