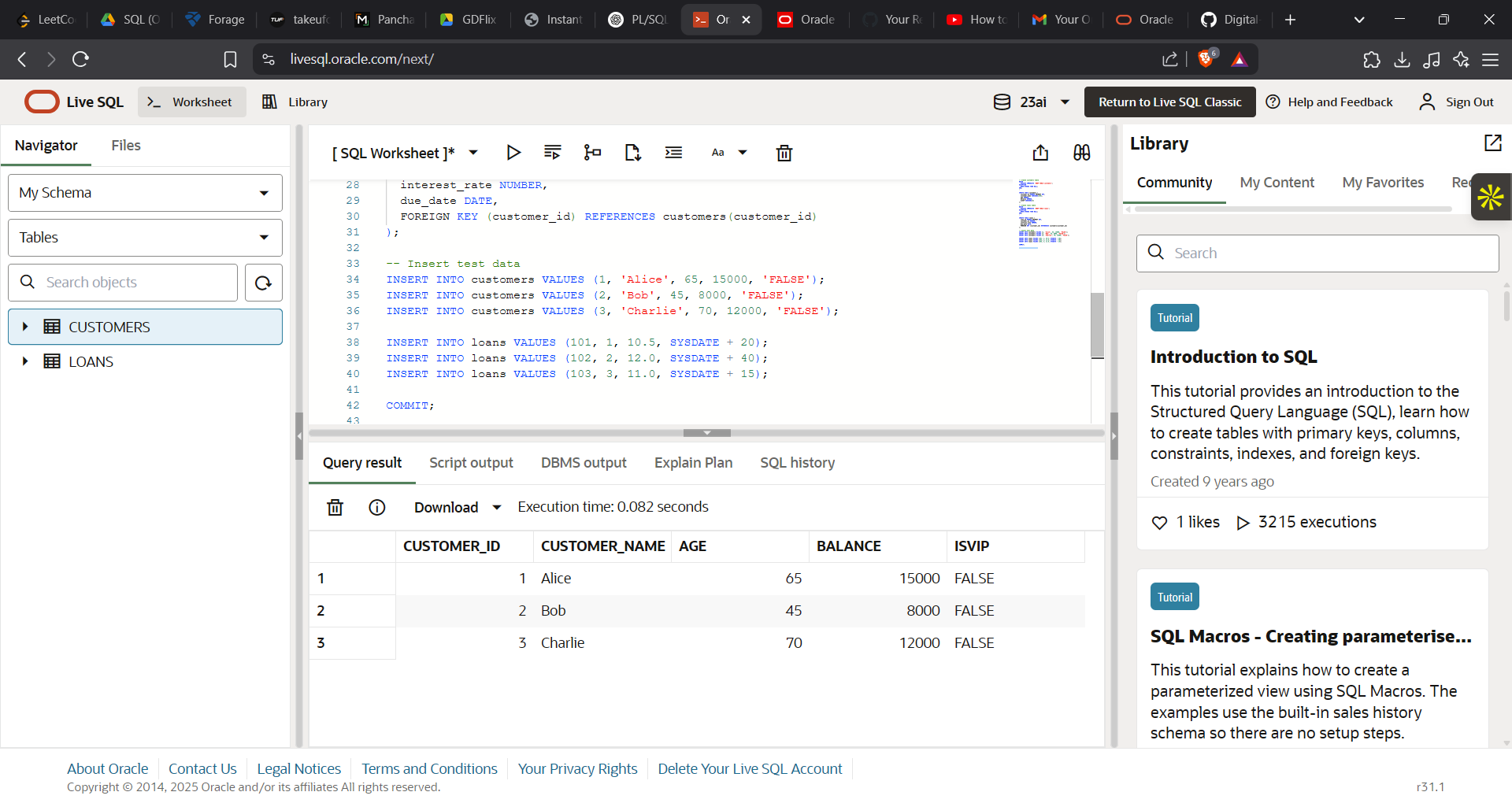
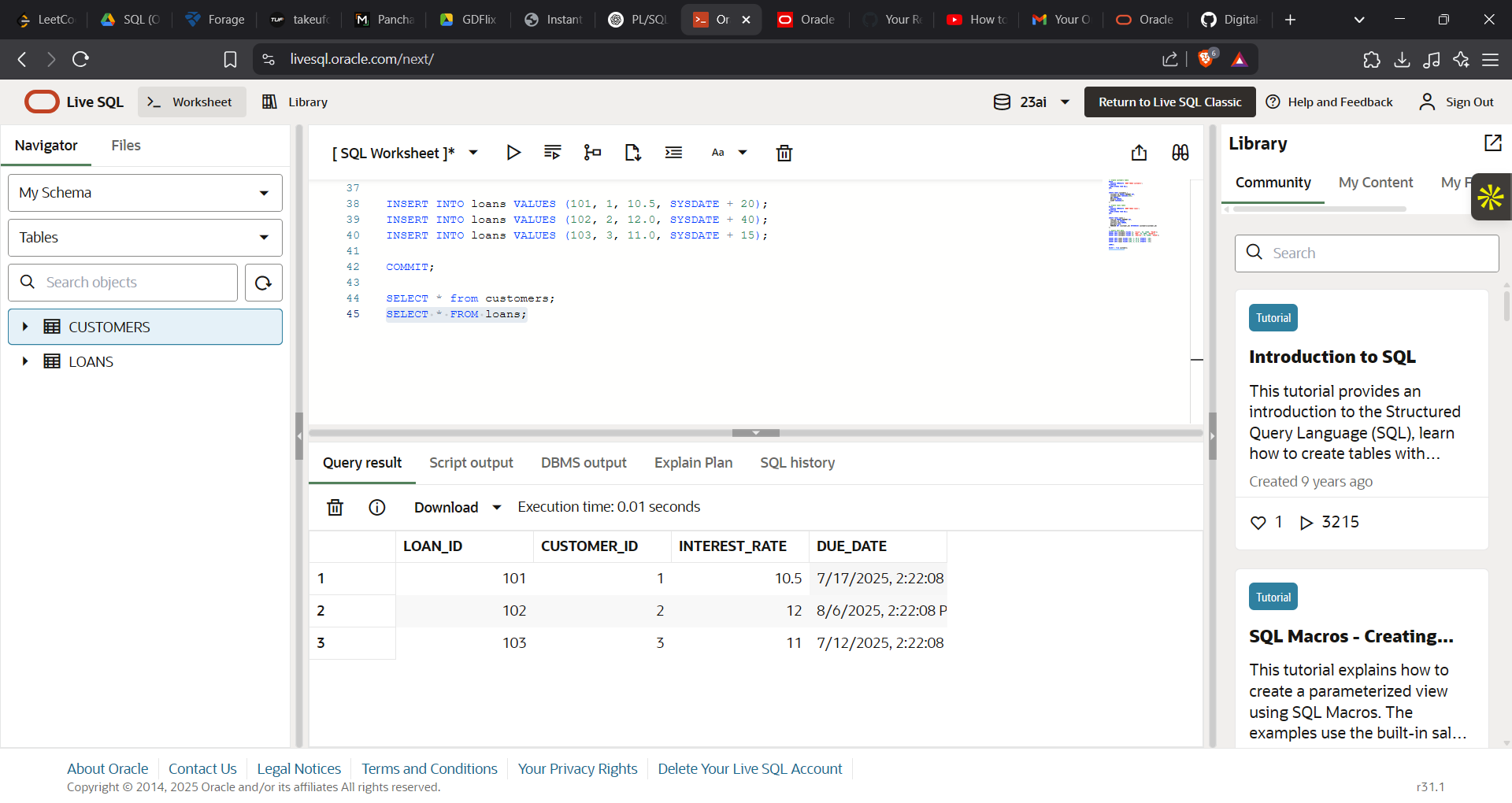
PL/SQL Exercise 1 Control Structures – Banking Scenarios

Initial tables:

Customers:



Loans:



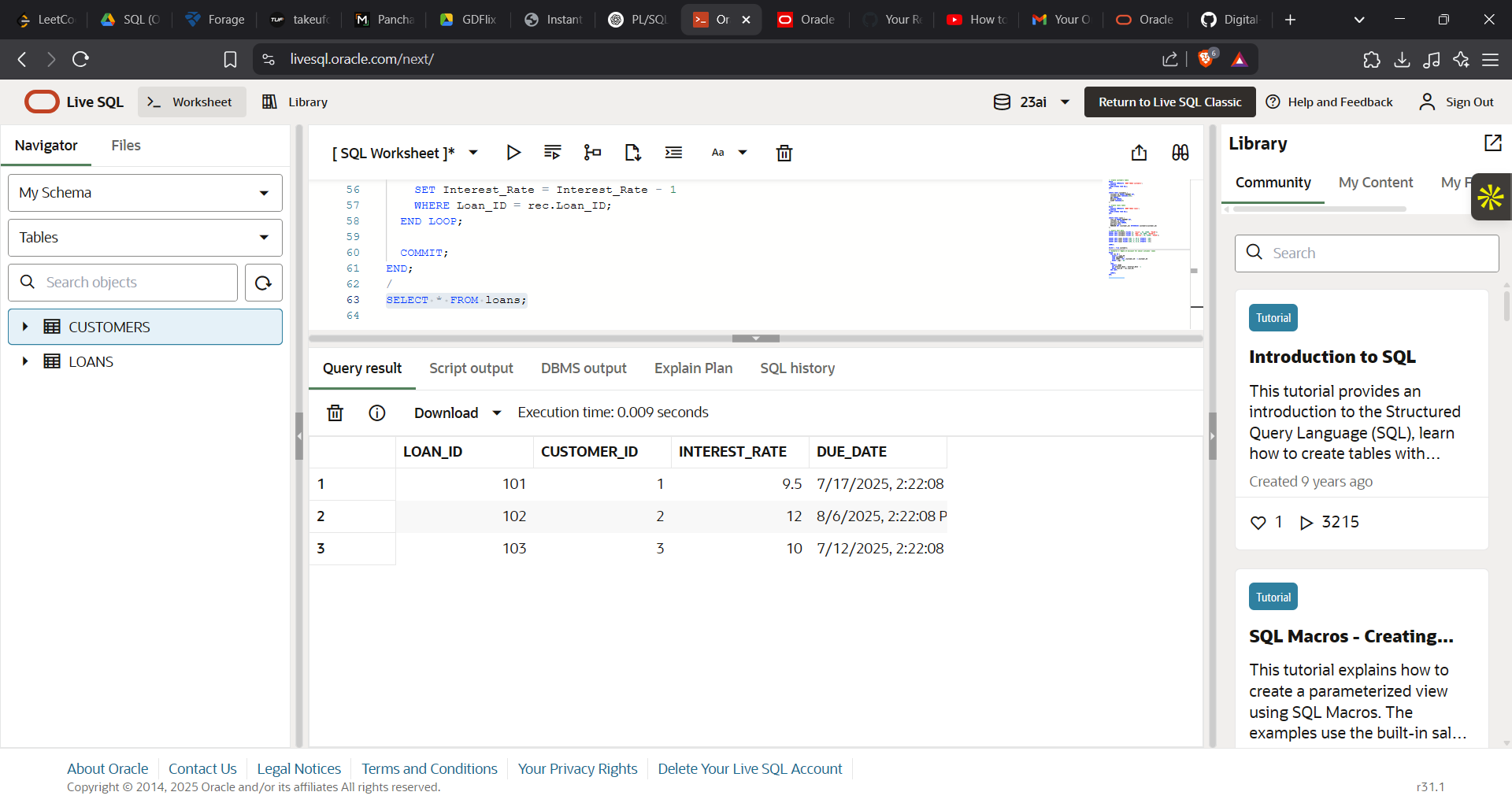
## Scenario 1: Interest Rate Discount for Senior Citizens

Requirement: Apply a 1% discount to the current loan interest rates for customers above 60 years old.

BEGIN  
 FOR rec IN (  
 SELECT l.Loan\_ID  
 FROM CUSTOMERS c  
 JOIN LOANS l ON c.Customer\_ID = l.Customer\_ID  
 WHERE c.Age > 60  
 )  
 LOOP  
 UPDATE LOANS  
 SET Interest\_Rate = Interest\_Rate - 1  
 WHERE Loan\_ID = rec.Loan\_ID;  
 END LOOP;  
  
 COMMIT;  
END;

Output:

Loans:



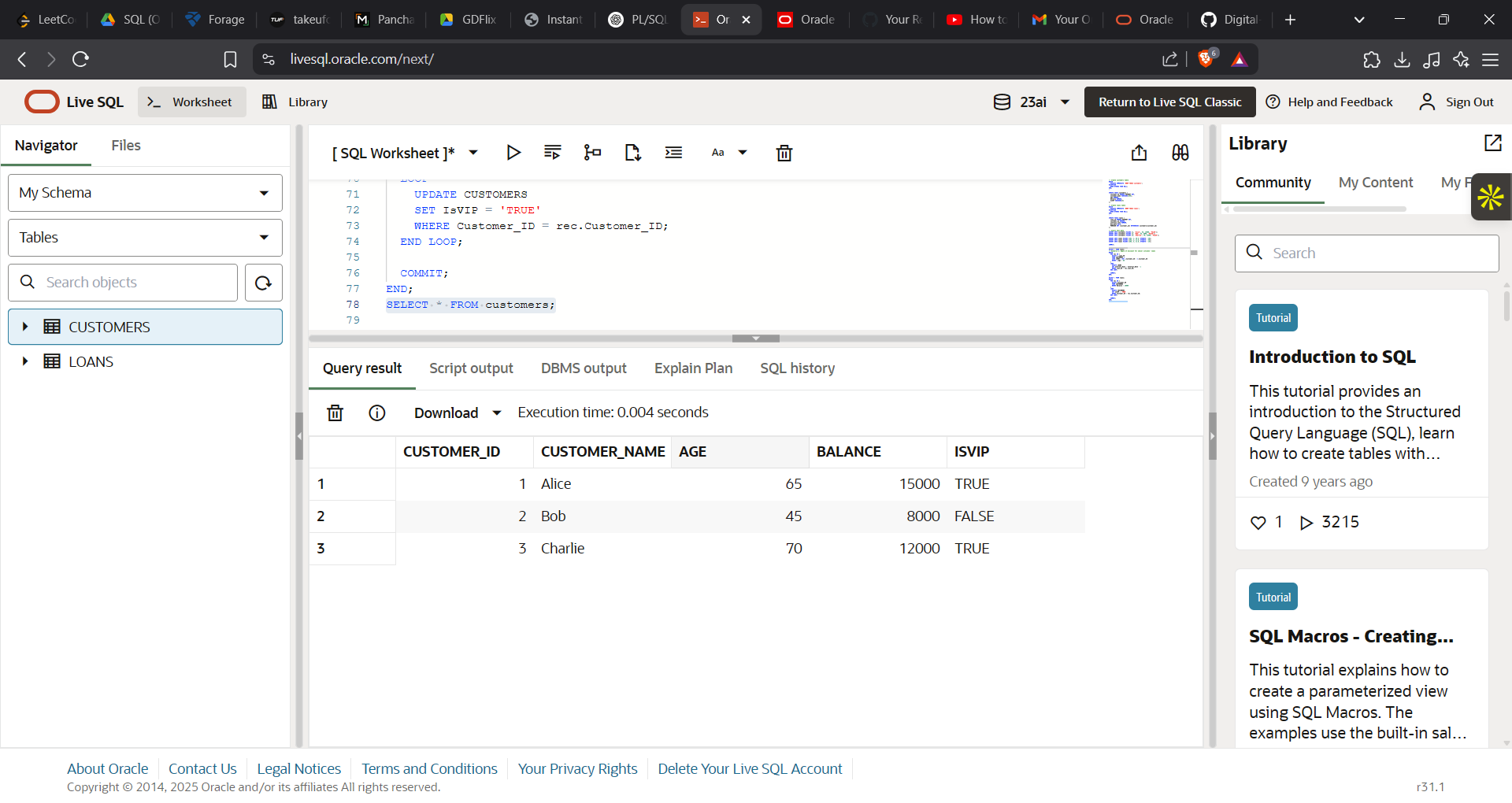
## Scenario 2: VIP Status Based on Balance

Requirement: Set IsVIP = TRUE for customers with a balance over $10,000.

BEGIN  
 FOR rec IN (  
 SELECT Customer\_ID  
 FROM CUSTOMERS  
 WHERE Balance > 10000  
 )  
 LOOP  
 UPDATE CUSTOMERS  
 SET IsVIP = 'TRUE'  
 WHERE Customer\_ID = rec.Customer\_ID;  
 END LOOP;  
  
 COMMIT;  
END;

Output:

Customers:



## Scenario 3: Loan Due Reminder Messages

Requirement: Print reminder messages for customers whose loans are due within the next 30 days.

BEGIN  
 FOR rec IN (  
 SELECT l.Loan\_ID, c.Name, l.Due\_Date  
 FROM LOANS l  
 JOIN CUSTOMERS c ON l.Customer\_ID = c.Customer\_ID  
 WHERE l.Due\_Date BETWEEN SYSDATE AND SYSDATE + 30  
 )  
 LOOP  
 DBMS\_OUTPUT.PUT\_LINE(  
 'Reminder: Dear ' || rec.Customer\_Name ||  
 ', your loan (ID: ' || rec.Loan\_ID ||  
 ') is due on ' || TO\_CHAR(rec.Due\_Date, 'DD-MON-YYYY') || '.'  
 );  
 END LOOP;  
END;

Output:

