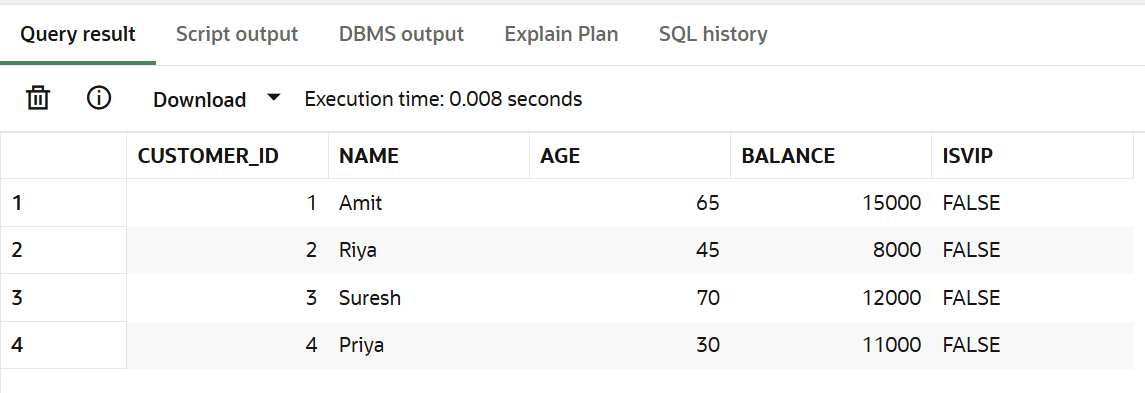
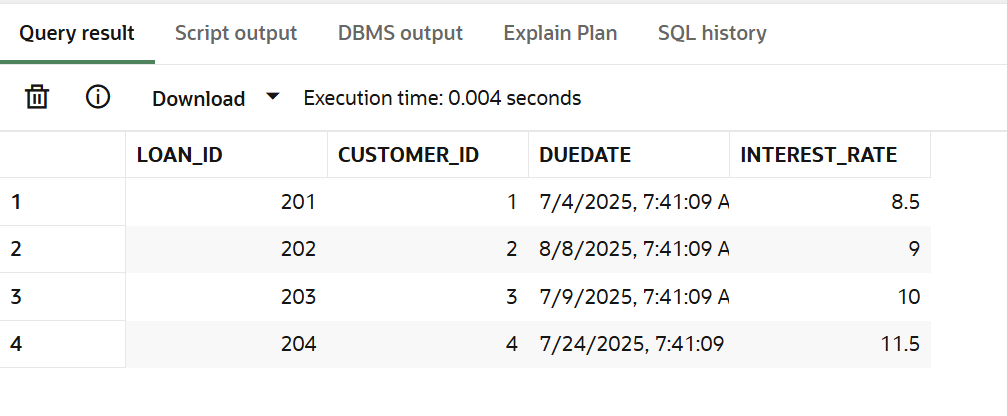
PL/SQL Exercise-1 Control Structures : by Sahil Singh

Customers Table:



Loans Table:



## Scenario 1: Discount for Senior Citizens

Apply a 1% discount to the loan interest rates for customers above age of 60 years.

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 - (Interest\_Rate \* 0.01)

    WHERE Loan\_ID = rec.Loan\_ID;

    DBMS\_OUTPUT.PUT\_LINE(' 1% discount applied to Loan\_ID: ' || rec.Loan\_ID);

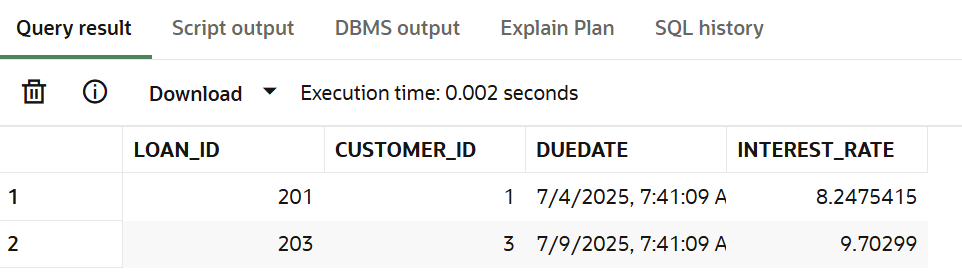
  END LOOP;

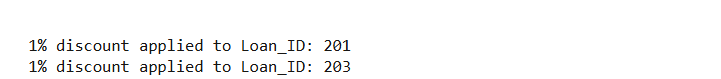
  COMMIT;

END;

Output:

Loans:





## Scenario 2: VIP Status

Set IsVIP = TRUE for customers with a balance more than 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;

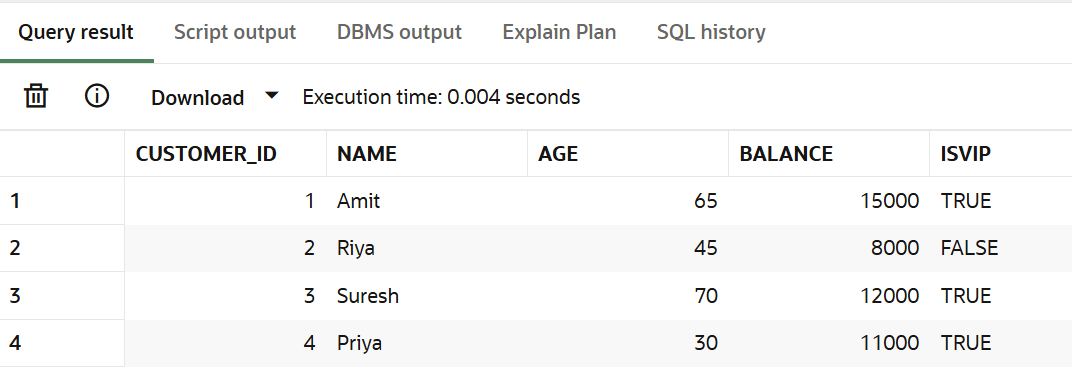
    DBMS\_OUTPUT.PUT\_LINE('Customer\_ID ' || rec.Customer\_ID || ' marked as VIP.');

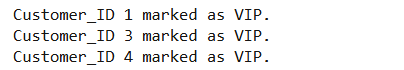
  END LOOP;

  COMMIT;

END;

Output:





## Scenario 3: Loan Due Date Alert

reminder for customers whose loans are due within the next 30 days.

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Loan Payment Reminders (due within 30 days) ');

FOR rec IN (

SELECT Loan\_ID, Customer\_ID, DueDate

FROM Loans

WHERE DueDate BETWEEN SYSDATE AND SYSDATE + 30

)

LOOP

DBMS\_OUTPUT.PUT\_LINE('Reminder: Loan\_ID ' || rec.Loan\_ID ||

' for Customer\_ID ' || rec.Customer\_ID ||

' is due on ' || TO\_CHAR(rec.DueDate, 'DD-MON-YYYY'));

END LOOP;

END;

Output:

