**IMPLICITY CURSOR:**

-- Create the Employees table

CREATE TABLE Employees (

EmployeeID NUMBER PRIMARY KEY,

FirstName VARCHAR2(50),

LastName VARCHAR2(50),

Salary NUMBER(10, 2)

);

-- Insert values into the Employees table

INSERT INTO Employees (EmployeeID, FirstName, LastName, Salary)

VALUES

(1, 'John', 'Doe', 50000.00),

(2, 'Jane', 'Smith', 55000.00),

(3, 'Bob', 'Johnson', 60000.00),

(4, 'Alice', 'Brown', 52000.00);

-- PL/SQL block with an implicit cursor to fetch and display data

DECLARE

v\_EmployeeID NUMBER;

v\_FirstName VARCHAR2(50);

v\_LastName VARCHAR2(50);

v\_Salary NUMBER(10, 2);

BEGIN

-- Open the implicit cursor by executing the SQL query

FOR rec IN (SELECT EmployeeID, FirstName, LastName, Salary FROM Employees) LOOP

-- Fetch data into variables

v\_EmployeeID := rec.EmployeeID;

v\_FirstName := rec.FirstName;

v\_LastName := rec.LastName;

v\_Salary := rec.Salary;

-- Display the fetched data

DBMS\_OUTPUT.PUT\_LINE('Employee ID: ' || v\_EmployeeID);

DBMS\_OUTPUT.PUT\_LINE('First Name: ' || v\_FirstName);

DBMS\_OUTPUT.PUT\_LINE('Last Name: ' || v\_LastName);

DBMS\_OUTPUT.PUT\_LINE('Salary: ' || v\_Salary);

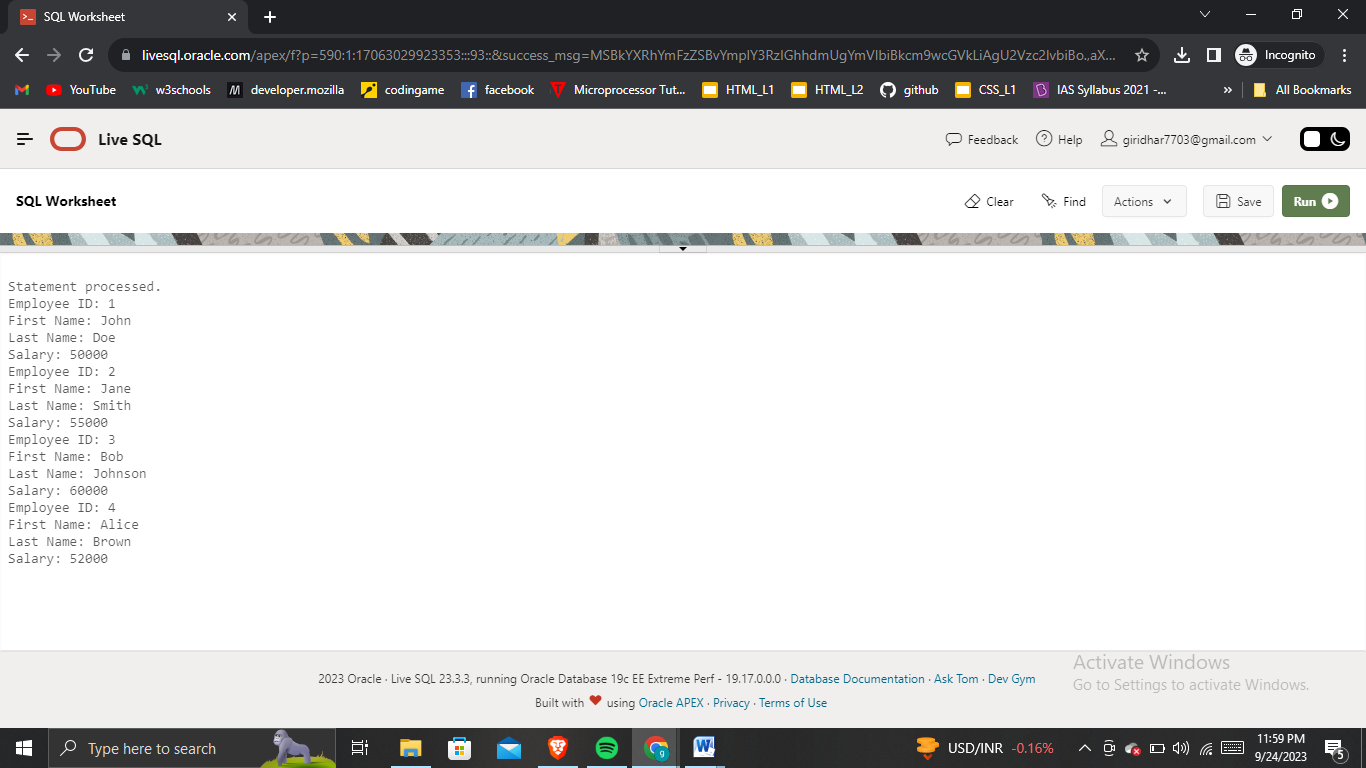
DBMS\_OUTPUT.PUT\_LINE(''); -- Add a line break

END LOOP;

END;

/

**OUTPUT:**



**EXPLICIT CURSOR:**

-- Create the Employees table

CREATE TABLE Employees (

EmployeeID NUMBER PRIMARY KEY,

FirstName VARCHAR2(50),

LastName VARCHAR2(50),

Salary NUMBER(10, 2)

);

-- Insert values into the Employees table

INSERT INTO Employees (EmployeeID, FirstName, LastName, Salary)

VALUES

(1, 'John', 'Doe', 50000.00),

(2, 'Jane', 'Smith', 55000.00),

(3, 'Bob', 'Johnson', 60000.00),

(4, 'Alice', 'Brown', 52000.00);

-- PL/SQL block with an explicit cursor to fetch and display data

DECLARE

CURSOR emp\_cursor IS

SELECT EmployeeID, FirstName, LastName, Salary FROM Employees;

v\_EmployeeID NUMBER;

v\_FirstName VARCHAR2(50);

v\_LastName VARCHAR2(50);

v\_Salary NUMBER(10, 2);

BEGIN

-- Open the explicit cursor

OPEN emp\_cursor;

-- Fetch data from the cursor

LOOP

FETCH emp\_cursor INTO v\_EmployeeID, v\_FirstName, v\_LastName, v\_Salary;

-- Exit the loop when no more rows are available

EXIT WHEN emp\_cursor%NOTFOUND;

-- Display the fetched data

DBMS\_OUTPUT.PUT\_LINE('Employee ID: ' || v\_EmployeeID);

DBMS\_OUTPUT.PUT\_LINE('First Name: ' || v\_FirstName);

DBMS\_OUTPUT.PUT\_LINE('Last Name: ' || v\_LastName);

DBMS\_OUTPUT.PUT\_LINE('Salary: ' || v\_Salary);

DBMS\_OUTPUT.PUT\_LINE(''); -- Add a line break

END LOOP;

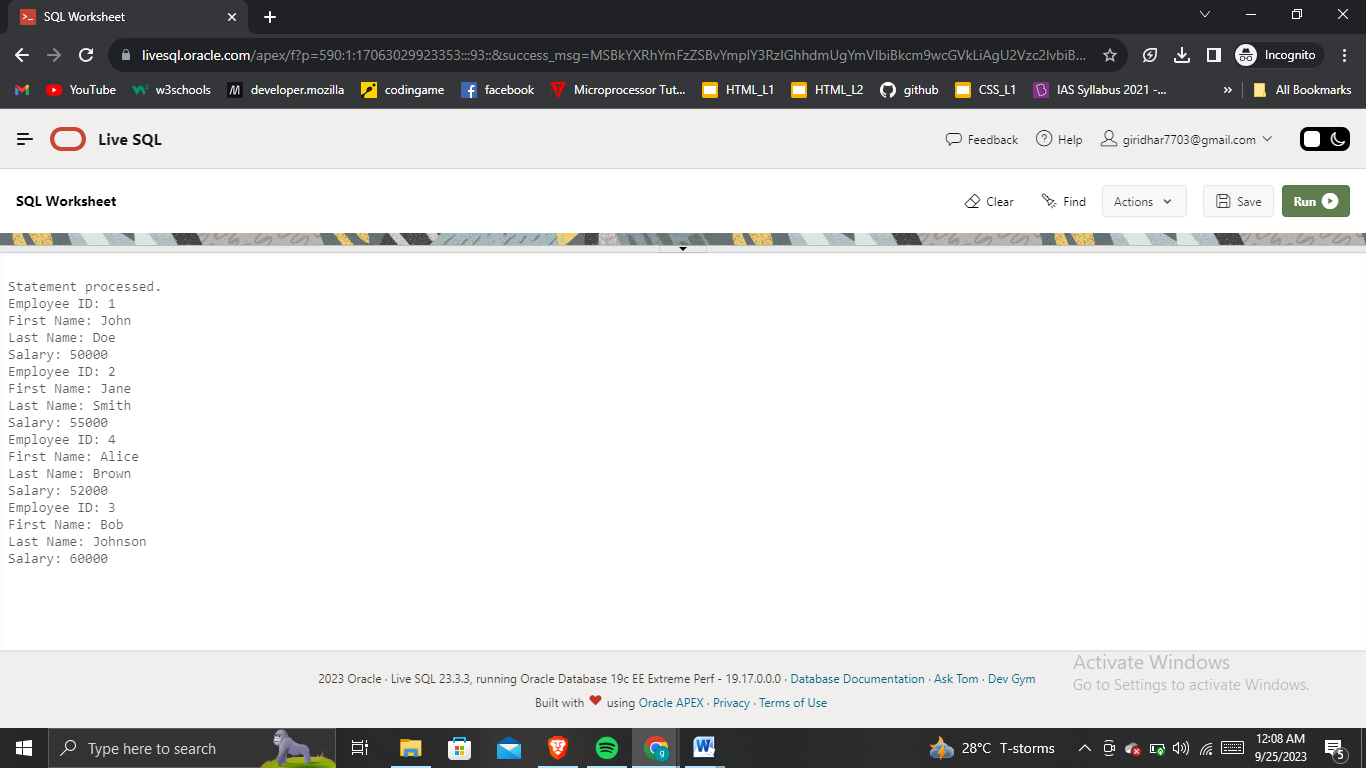
-- Close the cursor

CLOSE emp\_cursor;

END;

/

**OUTPUT:**



TRIGGER:

