

Course Name: DBMS Lab

Course Code: CSEG2146

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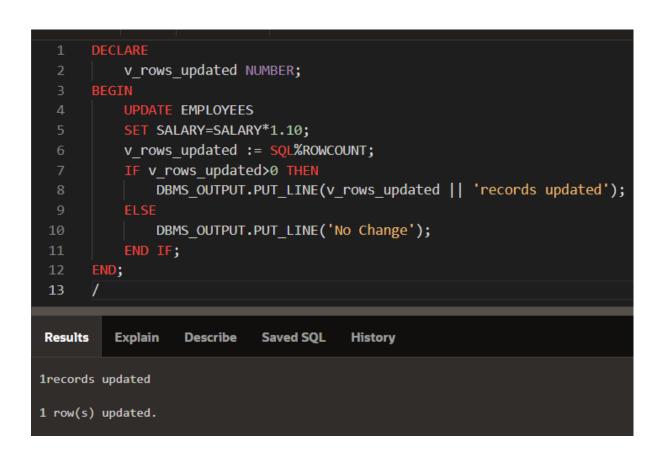
Roll no.: R2142230030

Experiment 15:

Title: To understand the concepts of implicit and explicit cursor.

Objective: Students can implement the idea of implicit and explicit cursor.

1. Using implicit cursor update the salary by an increase of 10% for all the records in EMPLOYEES table, and finally display how many records have been updated. If no records exist display the message "**No Change**".



2. Using explicit cursor fetch the employee name, employee_id and salary of all the records from EMPLOYEES table.

```
DECLARE

CURSOR emp_cursor IS

SELECT EMPLOYEE_ID, FIRST_NAME, LAST_NAME, SALARY FROM EMPLOYEES;

v_employee_id EMPLOYEES.EMPLOYEE ID%TYPE;
v_first_name EMPLOYEES.FIRST_NAME%TYPE;
v_last_name EMPLOYEES.LAST_NAME%TYPE;
v_salary EMPLOYEES.SALARY%TYPE;

BEGIN

OPEN emp_cursor;

LOOP

FETCH emp_cursor INTO v_employee_id, v_first_name, v_last_name, v_salary;

EXIT WHEN emp_cursor%NOTFOUND;

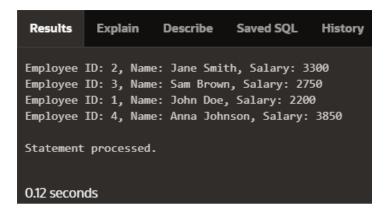
DBMS_OUTPUT.PUT_LINE('Employee ID: ' || v_employee_id ||
bms_output.Put_Line('Employee ID: ' || v_salary);

END LOOP;

CLOSE emp_cursor;

END;

CLOSE emp_cursor;
```



3. Using explicit cursor Insert the records from EMPLOYEES table for the columns employee_id, Last_Name and salary for those records whose salary exceeds 2500 into a new table TEMP_EMP

```
1 CREATE TABLE TEMP_EMP(
2 EMPLOYEE_ID NUMBER,
3 LAST_NAME VARCHAR(50),
4 SALARY NUMBER(10,2)
5 );

Results Explain Describe Saved SQL History

Table created.

0.03 seconds
```

```
DECLARE
       CURSOR emp cur IS
         SELECT Employee ID, Last Name, Salary
         FROM Employees
         WHERE Salary > 2500;
 5
       v emp id EMPLOYEES.Employee ID%TYPE;
       v last name EMPLOYEES.Last Name%TYPE;
       v salary EMPLOYEES.Salary%TYPE;
       OPEN emp_cur;
11
12
         FETCH emp_cur INTO v_emp_id, v_last_name, v_salary;
13
         EXIT WHEN emp cur%NOTFOUND;
         INSERT INTO TEMP EMP (Employee ID, Last Name, Salary)
         VALUES (v emp id, v last name, v salary);
       END LOOP;
       CLOSE emp_cur;
17
       COMMIT;
     END;
```

1 SELECT * FROM THP_EMP;		
Results Explain Describe Saved SQL History		
EMPLOYEE_ID	LAST_NAME	SALARY
	Smith	3300
3	Brown	2750
4	Johnson	3850
3 rows returned in 0.01 seconds Download		

