

Q1- 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"

```
SQL Worksheet

1 CREATE TABLE employees (
2     employee_id NUMBER(6) PRIMARY KEY,
3     first_name VARCHAR2(20),
4     last_name VARCHAR2(20),
5     email VARCHAR2(50),
6     phone_number VARCHAR2(20),
7     hire_date DATE,
8     job_id VARCHAR2(10),
9     salary NUMBER(8,2),
10    commission_pct NUMBER(2,2),
11    manager_id NUMBER(6),
12    department_id NUMBER(4)
13 );
14 DECLARE
15     updated_rows NUMBER := 0;
16 BEGIN
17     FOR employee IN (SELECT * FROM employees) LOOP
18         UPDATE employees
19             SET salary = salary * 1.1
20             WHERE employee_id = employee.employee_id;
21
22         updated_rows := updated_rows + SQL%ROWCOUNT;
23     END LOOP;
24
25     IF updated_rows = 0 THEN
26         DBMS_OUTPUT.PUT_LINE('No change');
27     ELSE
28         DBMS_OUTPUT.PUT_LINE('Updated ' || updated_rows || ' rows');
29     END IF;
30 END;
```

Q2- Using explicit cursor fetch the employee name, employee and salary of all the records from EMPLOYEES table.

```
1
2 DECLARE
3     emp_id employees.employee_id%TYPE;
4     emp_first_name employees.first_name%TYPE;
5     emp_last_name employees.last_name%TYPE;
6     emp_salary employees.salary%TYPE;
7
8 CURSOR emp_cursor IS
9     SELECT employee_id, first_name, last_name, salary
10    FROM employees;
11 BEGIN
12     OPEN emp_cursor;
13     LOOP
14         FETCH emp_cursor INTO emp_id, emp_first_name, emp_last_name, emp_salary;
15         EXIT WHEN emp_cursor%NOTFOUND;
16         DBMS_OUTPUT.PUT_LINE('Employee ID: ' || emp_id || ', Name: ' || emp_first_name || ' ' || emp_last_name || ', Salary: ' || emp_salary);
17     END LOOP;
18     CLOSE emp_cursor;
19 END;
```

Statement processed.

Q3- 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 anew table TEMP_EMP

SQL Worksheet

```
1 v DECLARE
2   CURSOR c_emp IS
3     SELECT employee_id, last_name, salary
4     FROM employees
5     WHERE salary > 2500;
6   v_emp_id employees.employee_id%TYPE;
7   v_last_name employees.last_name%TYPE;
8   v_salary employees.salary%TYPE;
9 v BEGIN
10  FOR rec_emp IN c_emp LOOP
11    v_emp_id := rec_emp.employee_id;
12    v_last_name := rec_emp.last_name;
13    v_salary := rec_emp.salary;
14 v   INSERT INTO temp_emp (employee_id, last_name, salary)
15     VALUES (v_emp_id, v_last_name, v_salary);
16  END LOOP;
17 v IF SQL%ROWCOUNT = 0 THEN
18   DBMS_OUTPUT.PUT_LINE('No records inserted into temp_emp.');
```

19 v ELSE

20 DBMS_OUTPUT.PUT_LINE(SQL%ROWCOUNT || ' records inserted into temp_emp.');

21 END IF;

22 END;

23

Statement processed.
records inserted into temp_emp.