Cursor

Implicit cursor and explicit cursor

**IMPLICIT CURSOR**

SQL> select \* from detail;

ID NAME SALARY

---------- ---------- ----------

1 joy 10000

2 john 15000

3 mark 20000

4 rosy 30000

glory 25000

SQL> DECLARE

2 var\_rows number(5);

3 BEGIN

4 UPDATE detail SET salary= salary + 1000 where id is not null;

5 IF SQL%NOTFOUND THEN

6 dbms\_output.put\_line('None of the salaries where updated');

7 ELSIF SQL%FOUND THEN

8 var\_rows := SQL%ROWCOUNT;

9 dbms\_output.put\_line('Salaries for ' || var\_rows || 'employees are updated');

10 END IF;

11 END;

12 /

Salaries for 4employees are updated

PL/SQL procedure successfully completed.

SQL> select \* from detail;

ID NAME SALARY

---------- ---------- ----------

1 joy 11000

2 john 16000

3 mark 21000

4 rosy 31000

glory 25000

SQL> delete from detail where name = 'glory';

1 row deleted.

SQL> select \* from detail;

ID NAME SALARY

---------- ---------- ----------

1 joy 11000

2 john 16000

3 mark 21000

4 rosy 31000

SQL> DECLARE

2 var\_rows number(5);

3 BEGIN

4 UPDATE detail SET salary= salary + 1000 where id is null;

5 IF SQL%NOTFOUND THEN

6 dbms\_output.put\_line('None of the salaries where updated');

7 ELSIF SQL%FOUND THEN

8 var\_rows := SQL%ROWCOUNT;

9 dbms\_output.put\_line('Salaries for ' || var\_rows || 'employees are updated');

10 END IF;

11 END;

12 /

None of the salaries where updated

**EXPLICIT CURSOR**

SQL> DECLARE

2 emp\_rec detail%rowtype;

3 CURSOR emp\_cur IS SELECT \* FROM detail WHERE salary > 20000;

4 BEGIN

5 OPEN emp\_cur;

6 FETCH emp\_cur INTO emp\_rec;

7 dbms\_output.put\_line (emp\_rec.name || ' ' || emp\_rec.salary);

8 CLOSE emp\_cur;

9 END;

10 /

mark 21000

PL/SQL procedure successfully completed.

SQL> DECLARE

2 emp\_rec detail%rowtype;

3 CURSOR emp\_cur IS SELECT \* FROM detail WHERE salary > 20000;

4 BEGIN

5 OPEN emp\_cur;

6 LOOP

7 FETCH emp\_cur INTO emp\_rec;

8 EXIT WHEN emp\_cur%NOTFOUND;

9 dbms\_output.put\_line (emp\_rec.name || ' ' || emp\_rec.salary);

10 END LOOP;

11 CLOSE emp\_cur;

12 END;

13 /

mark 21000

rosy 31000

PL/SQL procedure successfully completed.