

Ex.no 10**PL/sql cursor**

1. Write a program to find the age of employees who are ≤ 22 and increase the salary by 8000. Use sql%rowcount attribute to find the rows that got updated after execution.(Hint: implicit cursor)

```
SQL> CREATE TABLE employees(id int NOT NULL, name varchar(50), age int, address
varchar(50), salary int);
```

Table created.

```
SQL> DECLARE
```

```
2 total_rows number(2);
```

```
3 BEGIN
```

```
4 INSERT INTO employees VALUES(1, 'Ramesh', 23, 'Allahbad', 20000);
```

```
5 INSERT INTO employees VALUES(2, 'Suresh', 22, 'Kanpur', 22000);
```

```
6 INSERT INTO employees VALUES(3, 'Mahesh', 24, 'Gaziabad', 24000);
```

```
7 INSERT INTO employees VALUES(4, 'Chandan', 25, 'Noida', 26000);
```

```
8 INSERT INTO employees VALUES(5, 'Alex', 21, 'Paris', 28000);
```

```
9 INSERT INTO employees VALUES(6, 'Sunita', 20, 'Delhi', 30000);
```

```
10
```

```
11 UPDATE employees
```

```
12 SET salary = salary + 8000
```

```
13 WHERE age >= 22;
```

```
14 IF sql%notfound THEN
```

```
15 dbms_output.put_line('no customers selected');
```

```
16 ELSIF sql%found THEN
```

```
17 total_rows := sql%rowcount;
```

```
18 dbms_output.put_line( total_rows || ' customers selected ');
```

```
19 END IF;
```

```
20 END;
```

```
21 /
```

PL/SQL procedure successfully completed.

```
SQL> select * from employees;
```

ID	NAME	AGE
----	------	-----

ADDRESS	SALARY
1 Ramesh	23
Allahbad	28000
2 Suresh	22
Kanpur	30000
3 Mahesh	24
Gaziabad	32000

ID	NAME	AGE
4 Chandan	25	
Noida	34000	
5 Alex	21	
Paris	28000	
6 Sunita	20	
Delhi	30000	

6 rows selected.

2. Write a program to retrieve the employee name and address.(Hint: Explicit cursor)

ID	NAME	AGE	ADDRESS	SALARY
1	Ramesh	23	Allahabad	20000
2	Suresh	22	Kanpur	22000
3	Mahesh	24	Ghaziabad	24000
4	Chandan	25	Noida	26000
5	Alex	21	Paris	28000

6	Sunita	20	Delhi	30000
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SQL>DECLARE

1 e_name emp.name%type;

2 e_addr emp.address%type;

3 CURSOR e_emp is

4 SELECT name, address FROM emp;

5 BEGIN

6 OPEN e_emp;

7 LOOP

8 FETCH e_emp into e_name, e_addr;

9 EXIT WHEN e_emp%notfound;

10 dbms_output.put_line(e_name || ' ' || e_addr);

11 END LOOP;

12 CLOSE e_emp;

13 END;

14 /

Ramesh Allahabad

Suresh Kanpur

Mahesh Ghaziabad

Chandan Noida

Alex Paris

Sunita Delhi