**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

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

ADDRESS SALARY

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

4 Chandan 25

Noida 34000

5 Alex 21

Paris 28000

6 Sunita 20

Delhi 30000

6 rows selected.

1. 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 |

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