

Name:- Yash Dhumal

Roll no. :- 13373

PRACTICAL NO. 7

1) Parametrized Cursor

C:\Users\Yash Dhumal\Desktop\dbms lab>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Fri Oct 27 20:03:36 2023

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Fri Oct 27 2023 19:42:59 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create table o_rollcall(id int, name varchar(20));

Table created.

SQL> create table n_rollcall(id int, name varchar(20));

Table created.

SQL> insert into O_RollCall(Id,Name)values(1,'Yash');

1 row created.

SQL> insert into O_RollCall(Id,Name)values(2,'Mayuresh');

1 row created.

SQL> insert into O_RollCall(Id,Name)values(3,'Samarth');

1 row created.

SQL> insert into n_RollCall(Id,Name)values(1,'Yash');

1 row created.

SQL> insert into n_RollCall(Id,Name)values(2,'Mayuresh');

1 row created.

SQL> insert into n_RollCall(Id,Name)values(3,'Samarth');

1 row created.

SQL> DECLARE

2 v_id INT;

3 v_name VARCHAR2(255);

4 BEGIN

5 FOR source_record IN (SELECT Id, Name FROM N_RollCall) LOOP

6 BEGIN

7 SELECT Id INTO v_id FROM O_RollCall WHERE Id = source_record.Id;

8 EXCEPTION

9 WHEN NO_DATA_FOUND THEN

10 INSERT INTO O_RollCall (Id, Name) VALUES (source_record.Id, source_record.Name);

11 END;

12 END LOOP;

13 COMMIT;

14 EXCEPTION

15 WHEN OTHERS THEN

16 ROLLBACK;

17 END;

18 /

PL/SQL procedure successfully completed.

SQL> select * from n_rollcall;

ID NAME

1 Yash

2 Mayuresh

3 Samarth

2) Implicit cursor

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SQL> create table emp(id int, name varchar(20), salary int);

Table created.

SQL> insert into emp values(101,'yash',80000);

1 row created.

SQL> insert into emp values(102,'samarth',50000);

1 row created.

SQL> insert into emp values(103,'mayuresh',60000);

1 row created.

SQL> insert into emp values(104,'prasad',40000);

1 row created.

SQL> insert into emp values(105,'mayur',65000);

1 row created.

SQL> select * from emp;

ID	NAME	SALARY
101	yash	80000
102	samarth	50000
103	mayuresh	60000
104	prasad	40000
105	mayur	65000

```
SQL> set serveroutput on;
```

```
SQL> declare
```

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

```
3 begin
```

```
4 update emp
```

```
5 set salary = salary + 5000;
```

```
6 if sql%notfound then
```

```
7 dbms_output.put_line('no employees updated');
```

```
8 elsif sql%found then
```

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

```
10 dbms_output.put_line( total_rows || ' employee updated ');
```

```
11 end if;
```

```
12 end;
```

```
13 /
```

```
5 employee updated
```

```
PL/SQL procedure successfully completed.
```

```
SQL> select * from emp;
```

ID	NAME	SALARY
101	yash	85000
102	samarth	55000
103	mayuresh	65000
104	prasad	45000
105	mayur	70000

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SQL> create table products(product_name varchar(20), list_price float);

Table created.

SQL> insert into products values('notes',70.0);

1 row created.

SQL> insert into products values('notebook',50.0);

1 row created.

SQL> insert into products values('pen',20.0);

1 row created.

SQL> insert into products values('geometry box',30.0);

1 row created.

SQL> declare

2 cursor c_product

3 is

4 select * from products;

5 begin

6 for r_product in c_product

7 loop

8 dbms_output.put_line(r_product.product_name || ':' || r_product.list_price);

9 end loop;

10 end;

11 /

notes:\$70

notebook:\$50

pen:\$20

geometry box:\$30

PL/SQL procedure successfully completed.