

Explicit Cursor

Declare

eid int;

en varchar(20);

cursor c1 is select* from employee ;

rec employee%rowtype;

begin

open c1;

loop

fetch c1 into rec;

exit when c1%notfound;

dbms_output.put_line(rec.empid||' '||rec.ename||' '||rec.salary);

end loop;

close c1;

end;

/

Microsoft Windows [Version 10.0.19044.2965]

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D:\DBMS Code>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Mon Oct 9 14:53:01 2023

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

Last Successful login time: Mon Oct 09 2023 13:21:52 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> @explicit1.sql

PL/SQL procedure successfully completed.

SQL> set serveroutput on;

SQL> @explicit1.sql

PL/SQL procedure successfully completed.

SQL> select * from employee;

no rows selected

SQL> desc employee;

Name	Null?	Type

EMPID		NUMBER(38)
ENAME		VARCHAR2(20)
SALARY		FLOAT(126)
DEPTNO		NUMBER(38)

SQL> insert into employee values(1,'Vaishnavi',8000,101);

1 row created.

SQL> insert into employee values(2,'ABC',9000,102);

1 row created.

SQL> insert into employee values(2,'XYZ',5000,101);

1 row created.

```
SQL> update employee set empid=3 where ename='XYZ';
```

```
1 row updated.
```

```
SQL> @explicit1.sql
```

```
1 Vaishnavi 8000
```

```
2 ABC 9000
```

```
3 XYZ 5000
```

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

```
SQL> @explicit1.sql
```

Update Cursor

```
Declare
```

```
rec emp%rowtype;
```

```
cursor c1 is select * from emp where salary < 9000 for update;
```

```
begin
```

```
open c1;
```

```
loop
```

```
fetch c1 into rec;
```

```
exit when c1%notfound;
```

```
update emp set salary=salary+5000 where current of c1;
```

```
end loop;
```

```
close c1;
```

```
end;
```

```
/
```

```
Microsoft Windows [Version 10.0.19044.2965]
```

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D:\DBMS Code>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Mon Oct 9 13:00:20 2023

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Enter user-name: system

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Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

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

Table created.

SQL> insert into emp values(1,'Priya',7600);

1 row created.

SQL> insert into emp values(2,'Ruapli',6000);

1 row created.

SQL> insert into emp values(3,'Vaishnavi',5000);

1 row created.

SQL> select*from emp;

ID	NAME	SALARY
1	Priya	7600
2	Ruapli	6000

3 Vaishnavi 5000

SQL> set serveroutput on

SQL> @ucursor.sql

PL/SQL procedure successfully completed.

SQL> select*from emp;

ID	NAME	SALARY
1	Priya	12600
2	Ruapli	11000
3	Vaishnavi	10000

SQL>

Delete Cursor

declare

rec emp% rowtype;

cursor c2 is select * from emp where salary<1000 for update;

begin

open c2;

loop

fetch c2 into rec;

exit when c2%notfound;

delete from emp where current of c2;

end loop;

close c2;

end;

Microsoft Windows [Version 10.0.19044.2965]

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D:\DBMS Code>sqlplus

SQL*Plus: Release 21.0.0.0.0 - Production on Mon Oct 9 21:48:31 2023

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Enter user-name: system

Enter password:

Last Successful login time: Mon Oct 09 2023 14:53:10 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> select * from emp;

no rows selected

SQL> insert into emp values(2,'Vaishu',15000);

1 row created.

SQL> insert into emp values(2,'Vaishu',900);

1 row created.

SQL> insert into emp values(1,'Priya',12000);

1 row created.

SQL> insert into emp values(3,'Rupali',6000);

1 row created.

SQL> select * from emp;

ID	NAME	SALARY
----	------	--------

Name : Vaishnavi salunke

Roll No : 13321

2 Vaishu 15000

2 Vaishu 900

1 Priya 12000

3 Rupali 6000

SQL> set serveroutput on

SQL> @dcursor.sql

PL/SQL procedure successfully completed.

SQL> select * from emp;

ID	NAME	SALARY
2	Vaishu	15000
1	Priya	12000
3	Rupali	6000

SQL>