SQL\*Plus: Release 10.2.0.1.0 - Production on Mon Feb 12 15:59:13 2024

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SQL> connect system

Enter password:

Connected.

SQL> create table Department(deptid int primary key,deptname varchar(20),city varchar(20));

Table created.

SQL> desc Department

Name Null? Type

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

DEPTID NOT NULL NUMBER(38)

DEPTNAME VARCHAR2(20)

CITY VARCHAR2(20)

SQL> create table Employee1(empid int primary key,name varchar(20),salary number(10),deptid int,FOREIGN KEY(deptid) REFERENCES Department(deptid));

Table created.

SQL> desc Employee1

Name Null? Type

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

EMPID NOT NULL NUMBER(38)

NAME VARCHAR2(20)

SALARY NUMBER(10)

DEPTID NUMBER(38)

SQL> insert into Department values(&deptid,'&deptname','&city');

Enter value for deptid: 101

Enter value for deptname: Marketing

Enter value for city: Kochi

old 1: insert into Department values(&deptid,'&deptname','&city')

new 1: insert into Department values(101,'Marketing','Kochi')

1 row created.

SQL> /

Enter value for deptid: 102

Enter value for deptname: Advertising

Enter value for city: Banglore

old 1: insert into Department values(&deptid,'&deptname','&city')

new 1: insert into Department values(102,'Advertising','Banglore')

1 row created.

SQL> /

Enter value for deptid: 103

Enter value for deptname: HR

Enter value for city: Banglore

old 1: insert into Department values(&deptid,'&deptname','&city')

new 1: insert into Department values(103,'HR','Banglore')

1 row created.

SQL> /

Enter value for deptid: 104

Enter value for deptname: Advertising

Enter value for city: Kochi

old 1: insert into Department values(&deptid,'&deptname','&city')

new 1: insert into Department values(104,'Advertising','Kochi')

1 row created.

SQL> /

Enter value for deptid: 105

Enter value for deptname: Sales

Enter value for city: Mumbai

old 1: insert into Department values(&deptid,'&deptname','&city')

new 1: insert into Department values(105,'Sales','Mumbai')

1 row created.

SQL> insert into Employee1 values(&empid,'&name',&salary,&deptid);

Enter value for empid: 1

Enter value for name: Rakesh

Enter value for salary: 15000

Enter value for deptid: 105

old 1: insert into Employee1 values(&empid,'&name',&salary,&deptid)

new 1: insert into Employee1 values(1,'Rakesh',15000,105)

1 row created.

SQL> /

Enter value for empid: 2

Enter value for name: Sheela

Enter value for salary: 10000

Enter value for deptid: 103

old 1: insert into Employee1 values(&empid,'&name',&salary,&deptid)

new 1: insert into Employee1 values(2,'Sheela',10000,103)

1 row created.

SQL> /

Enter value for empid: 3

Enter value for name: Mythri

Enter value for salary: 25000

Enter value for deptid: 102

old 1: insert into Employee1 values(&empid,'&name',&salary,&deptid)

new 1: insert into Employee1 values(3,'Mythri',25000,102)

1 row created.

SQL> /

Enter value for empid: 4

Enter value for name: Akhila

Enter value for salary: 18000

Enter value for deptid: 102

old 1: insert into Employee1 values(&empid,'&name',&salary,&deptid)

new 1: insert into Employee1 values(4,'Akhila',18000,102)

1 row created.

SQL> /

Enter value for empid: 5

Enter value for name: Rishi

Enter value for salary: 20000

Enter value for deptid: 101

old 1: insert into Employee1 values(&empid,'&name',&salary,&deptid)

new 1: insert into Employee1 values(5,'Rishi',20000,101)

1 row created.

SQL> select \* from Department;

DEPTID DEPTNAME CITY

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101 Marketing Kochi

102 Advertising Banglore

103 HR Banglore

104 Advertising Kochi

105 Sales Mumbai

SQL> select \* from Employee1;

EMPID NAME SALARY DEPTID

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

1 Rakesh 15000 105

2 Sheela 10000 103

3 Mythri 25000 102

4 Akhila 18000 102

5 Rishi 20000 101

SQL> update Department set deptname='Mumbai' where deptid=102;

1 row updated.

SQL> select \* from Department where deptid=102;

DEPTID DEPTNAME CITY

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102 Mumbai Banglore

SQL> update Department set deptname='Marketing' where deptid=102;

1 row updated.

SQL> select \* from Department where deptid=102;

DEPTID DEPTNAME CITY

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102 Marketing Banglore

SQL> delete from Employee1 where empid=5;

1 row deleted.

SQL> select \* from Employee1;

EMPID NAME SALARY DEPTID

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1 Rakesh 15000 105

2 Sheela 10000 103

3 Mythri 25000 102

4 Akhila 18000 102

SQL> select name,deptname from Employee1,Department where Employee1.deptid=Department.deptid;

NAME DEPTNAME

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Akhila Marketing

Mythri Marketing

Sheela HR

Rakesh Sales

SQL> select name from Employee1,Department where city='Banglore' and Employee1.deptid=Department.deptid;

NAME

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Sheela

Mythri

Akhila

SQL> delete from Employee1 where name='Akhila';

1 row deleted.

SQL> select \* from Employee1;

EMPID NAME SALARY DEPTID

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1 Rakesh 15000 105

2 Sheela 10000 103

3 Mythri 25000 102

SQL> update Employee1 set salary=salary+500 where deptid=105;

1 row updated.

SQL> select \* from Employee1;

EMPID NAME SALARY DEPTID

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1 Rakesh 15500 105

2 Sheela 10000 103

3 Mythri 25000 102

SQL> select name,deptname from Employee1,Department where salary>10000 and Employee1.deptid=Department.deptid;

NAME DEPTNAME

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Mythri Marketing

Rakesh Sales

SQL>