|  |
| --- |
| **8) Create two tables ( plSQL)**  **O\_Roll(Rollno,Name,DOB,Phone,address)**  **N\_Roll(Rollno,Name,DOB,Phone,address)**  **Write a PLSQL block using various types of cursor(implicit,Explicit,For, Parameterized) to merge records from O\_Roll table with that of N\_Roll in such a way duplicate records are to be eliminated.** |

unix@unix-HP-dx2480-MT-KL969AV:~$ sudo -i -u postgres

[sudo] password for unix:

postgres@unix-HP-dx2480-MT-KL969AV:~$ psql

psql (9.5.2)

Type "help" for help.

postgres=# create database teb;

CREATE DATABASE

postgres=# \c teb;

You are now connected to database "teb" as user "postgres".

teb=# create table o\_roll(roll int,name varchar(20),dob date,phone int,address varchar(20));

CREATE TABLE

teb=# create table n\_roll(roll int,name varchar(20),dob date,phone int,address varchar(20));

CREATE TABLE

teb=# \i /home/unix/Desktop/first.sql

CREATE FUNCTION

teb=# select ins(1,'Akansha','1998-09-24',9028315480,'Nasik');

ERROR: function ins(integer, unknown, unknown, bigint, unknown) does not exist

LINE 1: select ins(1,'Akansha','1998-09-24',9028315480,'Nasik');

^

HINT: No function matches the given name and argument types. You might need to add explicit type casts.

teb=# \dt

List of relations

Schema | Name | Type | Owner

--------+--------+-------+----------

public | n\_roll | table | postgres

public | o\_roll | table | postgres

teb=# \i /home/unix/Desktop/first.sql

CREATE FUNCTION

teb=# select ins(1,'Akansha','1998-09-24',9028,'Nasik');

ins

-----

teb=# select ins(4,'Aarav','1998-02-12',9086,'Mumbai');

ins

-----

teb=# select ins(1,'Raj','1998-12-12',9652,'Pune');

ins

-----

teb=# select ins(2,'Heer','1998-12-8',8952,'Chennai');

ins

-----

teb=# select ins(3,'Ram','1998-8-8',8882,'Kolkata');

ins

-----

teb=# select \*from o\_roll;

roll | name | dob | phone | address

------+---------+------------+-------+---------

1 | Akansha | 1998-09-24 | 9028 | Nasik

4 | Aarav | 1998-02-12 | 9086 | Mumbai

1 | Raj | 1998-12-12 | 9652 | Pune

2 | Heer | 1998-12-08 | 8952 | Chennai

3 | Ram | 1998-08-08 | 8882 | Kolkata

teb=# \i /home/unix/Desktop/second.sql;

CREATE FUNCTION

teb=# select ins1(5,'Raksha','1998-7-2',8752,'Mumbai');

ins1

------

teb=# select \*from n\_roll;

roll | name | dob | phone | address

------+--------+------------+-------+---------

5 | Raksha | 1998-07-02 | 8752 | Mumbai

^

teb=# \i /home/unix/Desktop/cursor.sql

CREATE FUNCTION

teb=# select merge();

merge

-------

teb=# select \*from n\_roll;

roll | name | dob | phone | address

------+---------+------------+-------+---------

5 | Raksha | 1998-07-02 | 8752 | Mumbai

1 | Akansha | 1998-09-24 | 9028 | Nasik

4 | Aarav | 1998-02-12 | 9086 | Mumbai

2 | Heer | 1998-12-08 | 8952 | Chennai

3 | Ram | 1998-08-08 | 8882 | Kolkata

=========================================================CODE:

---------------------------------------------------------CREATE OR REPLACE FUNCTION ins(roll integer , name varchar(20),dob date,phone integer,address varchar(20))

RETURNS void as $$

BEGIN

insert into o\_roll values(roll,name,dob,phone,address);

END;

$$ LANGUAGE plpgsql;

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

CREATE OR REPLACE FUNCTION ins1(roll integer , name varchar(20),dob date,phone integer,address varchar(20))

RETURNS void as $$

BEGIN

insert into n\_roll values(roll,name,dob,phone,address);

END;

$$ LANGUAGE plpgsql;

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

CREATE OR REPLACE function merge() returns void as

$$

DECLARE

flag integer;

orow o\_roll%rowtype;

nrow n\_roll%rowtype;

mycursor CURSOR for SELECT \* from o\_roll;

BEGIN

OPEN mycursor;

for orow in SELECT \* from o\_roll

LOOP

for nrow in SELECT \* from n\_roll

LOOP

IF nrow.roll!=orow.roll THEN

flag:=1;

continue;

ELSE

flag:=0;

EXIT;

END IF;

END LOOP;

IF flag=1 THEN

insert into n\_roll values(orow.roll,orow.name,orow.dob,orow.phone,orow.address);

END IF;

END LOOP;

CLOSE mycursor;

END

$$ language PLPGSQL;

=========================================================