Akshay S. Chavan TEB-15

**ASSIGNMENT NO-6**

Create two tables 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.

CREATE OR REPLACE function a() 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

SELECT \* from N\_Roll into nrow;

IF nrow.Rollno IS NULL THEN

insert into N\_Roll values(orow.Rollno,orow.Name,orow.DOB,orow.Phone,orow.Address);

END IF;

for nrow in SELECT \* from N\_Roll

LOOP

IF nrow.Rollno!=orow.Rollno THEN

flag:=1;

continue;

ELSE

flag:=0;

EXIT;

END IF;

END LOOP;

IF flag=1 THEN

insert into N\_Roll values(orow.Rollno,orow.Name,orow.DOB,orow.Phone,orow.Address);

END IF;

END LOOP;

CLOSE mycursor;

END

$$ language PLPGSQL;

**OUTPUT:**

ass66=# insert into O\_Roll values(7,'ABC','1997-03-02',777,'ASDDS');

INSERT 0 1

ass66=# select merge();

NOTICE: Record Inserted

merge

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(1 row)

ass66=# select \* from N\_Roll;

rollno | name | dob | phone | address

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

1 | Akshay | 1997-07-08 | 123 | ABC

2 | Ashutosh | 1998-07-08 | 222 | XYZ

3 | Aabid | 1997-09-10 | 123 | PQR

4 | Bhavika | 1997-09-17 | 444 | LMN

5 | Priyanka | 1997-03-02 | 555 | ZZZ

6 | Aditya | 1997-03-02 | 666 | ASDDS

7 | ABC | 1997-03-02 | 777 | ASDDS

(7 rows)