**Cursors: (All types: Implicit, Explicit, Cursor FOR Loop, Parameterized Cursor)**

Write a PL/SQL block of code using parameterized Cursor that will merge the data available in the newly created table N\_RollCall with the data available in the table O\_RollCall. If the data in the first table already exist in the second table then that data should be skipped.

Note: Instructor will frame the problem statement for writing PL/SQL block using all types of Cursors in line with above statement**.**

Ass.sql

DROP PROCEDURE IF EXISTS merge\_Data;

DELIMITER //

CREATE PROCEDURE merge\_Data(IN newRollno INTEGER)

BEGIN

DECLARE S\_Roll INTEGER;

DECLARE row\_Count INTEGER DEFAULT 0;

DECLARE terminate BOOLEAN DEFAULT FALSE;

DECLARE Stud\_detail CURSOR FOR

SELECT Rollno FROM student WHERE Rollno = newRollno;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET terminate = TRUE;

OPEN Stud\_detail;

getStud: LOOP

FETCH Stud\_detail INTO S\_Roll;

IF NOT EXISTS (SELECT \* FROM n\_Student WHERE Rollno = S\_Roll) Then

INSERT INTO n\_Student SELECT \* FROM student WHERE Rollno=S\_Roll;

SET row\_Count = row\_Count + 1;

END IF;

IF terminate = TRUE THEN

LEAVE getStud;

END IF;

END LOOP getStud;

CLOSE Stud\_detail;

SELECT CONCAT('RECORDS MERGED,',row\_Count,' row(s) affected') AS Message;

END //

DELIMITER ;

How to run:

1. Create 2 table student(Rollno,Name) and n\_student(Rollno,Name), Make entry in student ,n\_student is empty
2. Source ass6.sql
3. Call merge\_Data(1)
4. Select \* from n\_student;