**ASSIGNMENT NO : 6**

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***Problem Statement***:-Cursor:-(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 exits in the second table then that data should be skipped .

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

mysql> CREATE DATABASE ASSGN6;

Query OK, 1 row affected (0.00 sec)

mysql> USE ASSGN6;

Database changed

mysql> CREATE TABLE STUD\_MARKS(ROLLNO INT(11),NAME VARCHAR(10),TOTAL\_MARKS INT(11));

Query OK, 0 rows affected (0.37 sec)

mysql> CREATE TABLE NEW\_STUD\_MARKS(ROLLNO INT(11),GRADE CHAR(10));

Query OK, 0 rows affected (0.37 sec)

mysql> INSERT INTO STUD\_MARKS (ROLLNO,NAME,TOTAL\_MARKS)

VALUES

('1','PUNAM','80'),

('2','SHRADDHA','90'),

('3','VAIBHAV','70'),

('4','RESHMA','60'),

('5','PRATIKSHA','50');

Query OK, 5 rows affected (0.33 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> DELIMITER //

mysql> CREATE PROCEDURE SET\_CURSOR6()

BEGIN

DECLARE ROLL\_NO INTEGER;

DECLARE MARKS INTEGER;

DECLARE FLAG INTEGER;

DECLARE C1 CURSOR FOR SELECT ROLLNO, TOTAL\_MARKS FROM STUD\_MARKS;

OPEN C1;

LL:LOOP

FETCH C1 INTO ROLL\_NO, MARKS;

SET FLAG=0;

SELECT ROLLNO INTO FLAG FROM NEW\_STUD\_MARKS WHERE NEW\_STUD\_MARKS.ROLLNO = ROLL\_NO;

IF FLAG=0 THEN

IF MARKS <= 100 AND MARKS >= 65 THEN INSERT INTO NEW\_STUD\_MARKS VALUES (ROLL\_NO,'DIST');

END IF;

IF MARKS < 65 AND MARKS >= 60 THEN INSERT INTO NEW\_STUD\_MARKS VALUES (ROLL\_NO,'FC');

END IF;

IF MARKS < 60 AND MARKS >= 50 THEN INSERT INTO NEW\_STUD\_MARKS VALUES (ROLL\_NO,'SC');

END IF;

IF MARKS < 50 AND MARKS >= 40 THEN INSERT INTO NEW\_STUD\_MARKS VALUES (ROLL\_NO,'PC');

END IF;

IF MARKS < 40 THEN INSERT INTO NEW\_STUD\_MARKS VALUES (ROLLNO,'FAIL');

END IF;

END IF;

END LOOP LL;

CLOSE C1;

END;

//

Query OK, 0 rows affected (0.00 sec)

mysql> CALL SET\_CURSOR6; //

ERROR 1329 (02000): No data - zero rows fetched, selected, or processed

mysql> SELECT \*FROM NEW\_STUD\_MARKS; //

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| ROLLNO | GRADE |

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

| 1 | DIST |

| 2 | DIST |

| 3 | DIST |

| 4 | FC |

| 5 | SC |

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

5 rows in set (0.00 sec)