ASSIGNMENT – VI

TITLE :

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.

NAME : Shinde Shubham Dnyandev,   **DIV :** SY-B,   **ROLL NO. :** 23107121.

QUERIE :

```
CREATE DATABASE PR6;
USE PR6;

CREATE TABLE N_Roll_Call
(
    Roll_no INT PRIMARY KEY,
    Name VARCHAR(50),
    Class VARCHAR(20)
);

CREATE TABLE O_Roll_Call
(
    Roll_no INT PRIMARY KEY,
    Name VARCHAR(50),
    Class VARCHAR(20)
);

INSERT INTO N_Roll_Call VALUES
(106, 'Vikram', '11th'),
(107, 'Om', 'TY'),
(108, 'ashish', '10th'),
(109, 'Sham', 'FY');

INSERT INTO O_Roll_Call VALUES
(110, 'Mohit', '12th'),
(111, 'Dip', '9th'),
(112, 'Karan', 'SY');
```

SELECT * FROM N_Roll_Call;

Roll_no	Name	Class
106	Vikram	11th
107	Om	TY
108	ashish	10th
109	Sham	FY
NULL	NULL	NULL

SELECT * FROM O_Roll_Call;

Roll_no	Name	Class
110	Mohit	12th
111	Dip	9th
112	Karan	SY
NULL	NULL	NULL

```
DELIMITER $$

CREATE PROCEDURE MergeRollCall()
BEGIN
   DECLARE v_Roll_no INT;
   DECLARE v_Name VARCHAR(50);
   DECLARE v_Class VARCHAR(20);

   DECLARE roll_cursor CURSOR FOR
   SELECT Roll_no, Name, Class FROM N_Roll_Call;

   DECLARE CONTINUE HANDLER FOR NOT FOUND
   BEGIN
      CLOSE roll_cursor;
      SELECT 'Merge Completed' AS Status;
   END;

   OPEN roll_cursor;
   LOOP
      FETCH roll_cursor INTO v_Roll_no, v_Name, v_Class;

      IF
         NOT EXISTS (SELECT 1 FROM O_Roll_Call WHERE Roll_no = v_Roll_no)
      THEN
         INSERT INTO O_Roll_Call VALUES (v_Roll_no, v_Name, v_Class);
```

```
    END IF;
  END LOOP;

END $$

DELIMITER ;

CALL MergeRollCall();
```

	Status
▶	Merge Completed

```
SELECT * FROM N_Roll_Call;
```

	Roll_no	Name	Class
▶	106	Vikram	11th
	107	Om	TY
	108	ashish	10th
	109	Sham	FY
*	NULL	NULL	NULL

```
SELECT * FROM O_Roll_Call;
```

	Roll_no	Name	Class
▶	106	Vikram	11th
	107	Om	TY
	108	ashish	10th
	109	Sham	FY
	110	Mohit	12th
	111	Dip	9th
	112	Karan	SY
*	NULL	NULL	NULL