

Practical no. 5

Write a PL/SQL block of code using parameterized Cursor that will merge the data available in the newly created table N_Roll_Call with the data available in the table O_Roll_Call. If the data in the first table already exists in the second table then that data should be skipped.

```
CREATE TABLE O_Rollcall
```

```
-> (  
-> roll_no INT,  
-> name VARCHAR(20),  
-> address VARCHAR(20)  
-> );
```

Query OK, 0 rows affected (0.03 sec)

```
INSERT INTO O_Rollcall (roll_no, name, address) VALUES
```

```
-> (1, 'Advik', 'Hyderabad'),  
-> (2, 'Ishani', 'Kolkata'),  
-> (3, 'Reyansh', 'Ahmedabad'),  
-> (4, 'Siya', 'Jaipur'),  
-> (5, 'Aarav', 'Lucknow');
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
SELECT * FROM o_Rollcall;
```

roll_no	name	address
1	Advik	Hyderabad
2	Ishani	Kolkata
3	Reyansh	Ahmedabad
4	Siya	Jaipur
5	Aarav	Lucknow

5 rows in set (0.00 sec)

```
CREATE TABLE N_Rollcall
```

```
-> (  
-> roll_no INT PRIMARY KEY,  
-> name VARCHAR(20),  
-> address VARCHAR(20)  
-> );
```

Query OK, 0 rows affected (0.03 sec)

```
SELECT * FROM N_Rollcall;
```

Empty set (0.00 sec)

Procedure Program:-

DELIMITER //

CREATE PROCEDURE p1(IN r1 INT)

BEGIN

DECLARE r2 INT;

DECLARE exit_loop BOOLEAN DEFAULT FALSE;

DECLARE c1 CURSOR FOR

SELECT roll_no FROM O_Rollcall WHERE roll_no > r1;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET exit_loop = TRUE;

OPEN c1;

e_loop: LOOP

FETCH c1 INTO r2;

IF NOT EXISTS(SELECT * FROM N_Rollcall WHERE roll_no = r2)

THEN

INSERT INTO N_Rollcall

SELECT * FROM O_Rollcall WHERE roll_no = r2;

END IF;

IF exit_loop THEN

CLOSE c1;

LEAVE e_loop;

END IF;

END LOOP e_loop;

END;

//

DELIMITER ;

Query OK, 0 rows affected (0.03 sec)

CALL P1(2);

Query OK, 0 rows affected (0.03 sec)

SELECT * FROM N_Rollcall;

roll_no	name	address
3	Reyansh	Ahmedabad
4	Siya	Jaipur
5	Aarav	Lucknow

3 rows in set (0.00 sec)