Name – Unmesh Ravindra Patil

Roll no – 49

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mysql> CREATE DATABASE unmesh;
Query OK, 1 row affected (0.01 sec)


mysql> USE unmesh;
Database changed
mysql> CREATE TABLE O_RollCall (
    -> Roll_No INT PRIMARY KEY,
    -> Name VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.02 sec)


mysql> CREATE TABLE N_RollCall (
    -> Roll_No INT PRIMARY KEY,
    -> Name VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.02 sec)
mysql> INSERT INTO O_RollCall VALUES
    -> (1, 'xyz'),
    -> (2, 'abc'),
    -> (3, 'pqr');
Query OK, 3 rows affected (0.01 sec)


mysql> INSERT INTO N_RollCall VALUES
    -> (2, 'abc'),
    -> (3, 'pqr'),
    -> (4, 'mno'),
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    -> (5, 'def');
Query OK, 4 rows affected (0.00 sec)

mysql> DELIMITER $$

mysql> CREATE PROCEDURE merge_rollcall(IN min_roll INT, IN max_roll INT)
    -> BEGIN
    ->   DECLARE done INT DEFAULT 0;
    ->   DECLARE rno INT;
    ->   DECLARE rname VARCHAR(50);
    ->
    ->   -- Parameterized Cursor: fetch rows within the given roll range
    ->   DECLARE cur CURSOR FOR
    ->     SELECT Roll_No, Name FROM N_RollCall
    ->     WHERE Roll_No BETWEEN min_roll AND max_roll;
    ->
    ->   DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;
    ->
    ->   OPEN cur;
    ->   read_loop: LOOP
    ->     FETCH cur INTO rno, rname;
    ->     IF done THEN
    ->       LEAVE read_loop;
    ->     END IF;
    ->
    ->     -- Check if record already exists in O_RollCall
    ->     IF NOT EXISTS (SELECT 1 FROM O_RollCall WHERE Roll_No = rno) THEN
    ->       INSERT INTO O_RollCall(Roll_No, Name) VALUES (rno, rname);
    ->     END IF;
```

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    ->
    ->  END LOOP;
    ->  CLOSE cur;
    -> END $$
Query OK, 0 rows affected (0.00 sec)


mysql> DELIMITER ;
mysql> CALL merge_rollcall(1, 10);
Query OK, 0 rows affected (0.00 sec)
mysql> SELECT * FROM O_RollCall;
+---------+------+
| Roll_No | Name |
+---------+------+
|       1 | xyz  |
|       2 | abc  |
|       3 | pqr  |
|       4 | mno  |
|       5 | def  |
+---------+------+
5 rows in set (0.00 sec)
mysql> CALL merge_rollcall(1, 10);
Query OK, 0 rows affected (0.00 sec)


mysql> SELECT * FROM O_RollCall;
+---------+------+
| Roll_No | Name |
+---------+------+
|       1 | xyz  |
```

```
|       2 | abc  |
|       3 | pqr  |
|       4 | mno  |
|       5 | def  |
+---------+------+
```

5 rows in set (0.00 sec)