**ASSIGNMENT NO- 06**

TCOA35 -Shrutee Pimpare

**TITLE:**

To Study and Implement PL/SQL program using CURSOR

**SOLUTION**

mysql> CREATE TABLE O\_ROLLCALL( -> RNO INTEGER PRIMARY KEY,

-> NAME VARCHAR(50));

Query OK, 0 rows affected (0.01 sec)

mysql> INSERT INTO O\_ROLLCALL VALUES(1, 'A');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO O\_ROLLCALL VALUES(2, 'B');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO O\_ROLLCALL VALUES(3, 'C');

Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO O\_ROLLCALL VALUES(4, 'D');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO O\_ROLLCALL VALUES(5, 'E');

Query OK, 1 row affected (0.00 sec)

mysql> SELECT \*FROM O\_ROLLCALL;

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

| RNO | NAME |

# +-----+------+

| 1 | A |

| 2 | B |

| 3 | C |

| 4 | D |

| 5 | E |

# +-----+------+

5 rows in set (0.00 sec)

mysql> CREATE TABLE N\_ROLLCALL( -> RNO INTEGER,

-> NAME VARCHAR(50));

Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO N\_ROLLCALL VALUES(1, 'A');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO N\_ROLLCALL VALUES(3, 'C');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO N\_ROLLCALL VALUES(5, 'E');

Query OK, 1 row affected (0.00 sec)

mysql> SELECT \*FROM N\_ROLLCALL;

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

| RNO | NAME |

# +------+------+

| 1 | A |

| 3 | C |

| 5 | E |

# +------+------+

3 rows in set (0.00 sec)

mysql> DELIMITER $ mysql> CREATE PROCEDURE PROD(IN ROLL1 INT)

-> BEGIN

-> DECLARE ROLL2 INT;

-> DECLARE EXITCONDITION BOOLEAN;

-> DECLARE CUR1 CURSOR FOR SELECT RNO FROM O\_ROLLCALL WHERE RNO>ROLL1;

-> DECLARE CONTINUE HANDLER FOR NOT FOUND SET EXITCONDITION = TRUE;

-> OPEN CUR1;

-> L1: LOOP

-> FETCH CUR1 INTO ROLL2;

-> IF NOT EXISTS (SELECT\* FROM N\_ROLLCALL WHERE RNO = ROLL2) THEN

-> INSERT INTO N\_ROLLCALL SELECT\* FROM O\_ROLLCALL WHERE RNO = ROLL2;

-> END IF;

-> IF EXITCONDITION THEN

-> CLOSE CUR1;

-> LEAVE L1;

-> END IF;

-> END LOOP L1;

-> END;

-> $

Query OK, 0 rows affected (0.01 sec)

mysql> CALL PROD(1);

Query OK, 0 rows affected (0.00 sec)

mysql> SELECT\*FROM N\_ROLLCALL;

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

| RNO | NAME |

# +------+------+

| 1 | A |

| 3 | C |

| 5 | E |

| 4 | D |

| 2 | B |

# +------+------+

5 rows in set (0.00 sec)

mysql> SELECT\*FROM N\_ROLLCALL

-> ORDER BY RNO;

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

| RNO | NAME |

# +------+------+

| 1 | A |

| 2 | B |

| 3 | C |

| 4 | D |

| 5 | E |

# +------+------+

5 rows in set (0.00 sec)