

# **Zeal College of Engineering and Research**

## **Subject: DBMSL**

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Class: TE

Div: B

Batch: B1

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### **Group A: Practical No: 7**

#### **Program Statement:**

Cursors: (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 exist in the second table then that data should be skipped.

#### **Code:**

```
mysql> use library;  
Database changed
```

```
mysql> create table o_rollcall(rollno int,name varchar(90),address varchar(90));  
Query OK, 0 rows affected (0.95 sec)
```

```
mysql> create table n_rollcall(rollno int,name varchar(90),address varchar(90));  
Query OK, 0 rows affected (3.07 sec)
```

```
mysql> delimiter //  
mysql> create procedure n1(in rno1 int)  
-> begin  
-> declare rno2 int;  
-> declare exit_cond boolean;  
-> declare c1 cursor for select rollno from o_rollcall where rollno>rno1;  
-> declare continue handler for not found set exit_cond=TRUE;  
-> open c1;  
-> l1:loop  
-> fetch c1 into rno2;  
-> if not exists(select * from n_rollcall where rollno=rno2)then  
-> insert into n_rollcall select * from o_rollcall where rollno=rno2;  
-> end if;  
-> if exit_cond then  
-> close c1;  
-> leave l1;  
-> end if;  
-> end loop l1;  
-> end  
-> //
```

Query OK, 0 rows affected (0.52 sec)

insert into o\_rollcall (rollno, name, address) values

-> (1, "Komal", "ABC"),

-> (2, "rAJ", "PBC"),

-> (3, "RUDRA", "pUNE");

Query OK, 3 rows affected (0.10 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> insert into n\_rollcall (rollno, name, address) values

>(1, "Komal", "ABC"),

>(4, "lina", "Nashik"),

>(5, "SHEETAL", "AALDI");

Query OK, 3 rows affected (0.12 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> delimiter ;

mysql> call n1(1);

Query OK, 0 rows affected (0.29 sec)

mysql> select \* from o\_rollcall;

```
+-----+-----+-----+
| rollno | name  | address |
+-----+-----+-----+
| 1 | Komal | ABC    |
| 2 | rAJ   | PBC    |
| 3 | RUDRA | pUNE   |
+-----+-----+-----+
```

3 rows in set (0.00 sec)

mysql> select \* from n\_rollcall;

```
+-----+-----+-----+
| rollno | name  | address |
+-----+-----+-----+
| 1 | Komal | ABC    |
| 4 | lina  | Nashik |
| 5 | SHEETAL | AALDI  |
| 2 | rAJ   | PBC    |
| 3 | RUDRA | pUNE   |
+-----+-----+-----+
```

5 rows in set (0.00 sec)