

TITLE:- 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_Roll Call 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.

Enter password: *****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 10

Server version: 8.0.30 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> create database abhi;
```

Query OK, 1 row affected (0.05 sec)

```
mysql> use abhi;
```

Database changed

```
mysql> create table o_rollcall(roll_no int,name varchar(20),address varchar(20));
```

Query OK, 0 rows affected (0.14 sec)

```
mysql> create table n_rollcall(roll_no int,name varchar(20),address varchar(20));
```

Query OK, 0 rows affected (0.13 sec)

```
mysql> insert into o_rollcall
```

```
-> values(1,'Abhi','Nashik');
```

Query OK, 1 row affected (0.08 sec)

```
mysql> insert into o_rollcall
```

```
-> values(2,'Hitesh','Nandgaon');
```

Query OK, 1 row affected (0.13 sec)

```
mysql> insert into o_rollcall
```

```
-> values(3,'Shyam','Sambhajinagar');
```

Query OK, 1 row affected (0.12 sec)

```
mysql> insert into o_rollcall
```

```
-> values(4,'Atul','Palkhed');
```

Query OK, 1 row affected (0.13 sec)

```
mysql> insert into o_rollcall
```

```
-> values(5,'Chetan','Sambhajinagar');
```

Query OK, 1 row affected (0.13 sec)

```
mysql> select * from o_rollcall;
```

```
+-----+-----+-----+
| roll_no | name  | address |
+-----+-----+-----+
| 1 | Abhi | Nashik  |
| 2 | Hitesh | Nandgaon |
| 3 | Shyam | Sambhajinagar |
| 4 | Atul | Palkhed |
| 5 | Chetan | Sambhajinagar |
+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> delimiter //
```

```
mysql> create procedure can3(in pen1 int)
```

```
-> begin
```

```
-> declare pen2 int;
```

```
-> declare exit_loop boolean;
```

```
-> declare dam1 cursor for select roll_no from o_rollcall where roll_no>pen1;
```

```
-> declare continue handler for not found set exit_loop=true;
```

```
-> open dam1;
```

```
-> e_loop:loop
```

```
-> fetch dam1 into pen2;
```

```
-> if not exists(select * from n_rollcall where roll_no=pen2)
```

```
-> then
```

```
-> insert into n_rollcall select * from o_rollcall where roll_no=pen2;
```

```
-> end if;
```

```
-> if exit_loop
```

```
-> then
```

```
-> close dam1;
```

```
-> leave e_loop;
```

```
-> end if;
```

```
-> end loop e_loop;
```

```
-> end
```

```
-> //
```

```
Query OK, 0 rows affected (0.15 sec)
```

```
mysql> call can3(3);
```

```
-> //
```

```
Query OK, 0 rows affected (0.09 sec)
```

```
mysql> select * from n_rollcall //
```

```
+-----+-----+-----+
| roll_no | name  | address |
+-----+-----+-----+
```

4	Atul	Palkhed
5	Chetan	Sambhajinagar

2 rows in set (0.00 sec)

mysql> call can3(0);

-> //

Query OK, 0 rows affected (0.18 sec)

mysql> select * from n_rollcall //

roll_no	name	address
4	Atul	Palkhed
5	Chetan	Sambhajinagar
1	Abhi	Nashik
2	Hitesh	Nandgaon
3	Shyam	Sambhajinagar

5 rows in set (0.00 sec)

mysql> insert into o_rollcall values(6,'Patil','Kolhapur') //

Query OK, 1 row affected (0.12 sec)

mysql> call can3(4);

-> //

Query OK, 0 rows affected (0.04 sec)

mysql> select * from n_rollcall //

roll_no	name	address
---------	------	---------

```
+-----+-----+-----+
|  4 | Atul | Palkhed |
|  5 | Chetan | Sambhajinagar |
|  1 | Abhi | Nashik |
|  2 | Hitesh | Nandgaon |
|  3 | Shyam | Sambhajinagar |
|  6 | Patil | Kolhapur |
+-----+-----+-----+
```

6 rows in set (0.00 sec)

mysql>