Group – A
Assignment 6

Title : 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.

```
mysql> create database Pratik;
Query OK, 1 row affected (0.01 sec)

mysql> use Pratik;
Database changed
mysql> create table o_rollcall(roll_no int, name varchar(20),address
varchar(20));
Query OK, 0 rows affected (0.04 sec)

mysql> create table n_rollcall(roll_no int, name varchar(20),address
varchar(20));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into o_rollcall values('1','Pratik','Parbhani');
Query OK, 1 row affected (0.01 sec)

mysql> insert into o_rollcall values('2','Onkar','Solapur');
Query OK, 1 row affected (0.01 sec)

mysql> insert into o_rollcall values('3','Ashok','Dharashiv');
Query OK, 1 row affected (0.00 sec)

mysql> insert into o_rollcall values('4','Suraj','Pune');
Query OK, 1 row affected (0.01 sec)

mysql> insert into o_rollcall values('5','Sarthak','Ahemadnagar');
Query OK, 1 row affected (0.00 sec)

mysql> delimiter //
mysql> create procedure p3(in r1 int)
    -> begin
    -> declare r2 int;
    -> declare exit_loop boolean;
    -> 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;
    -> //
Query OK, 0 rows affected (0.03 sec)

mysql> call p3(3);
    -> //
Query OK, 0 rows affected (0.01 sec)

mysql> select * from n_rollcall;
    -> //
+---------+---------+-------------+
| roll_no | name    | address     |
+---------+---------+-------------+
|       4 | Suraj   | Pune        |
|       5 | Sarthak | Ahemadnagar |
+---------+---------+-------------+
2 rows in set (0.00 sec)

mysql> call p3(0);
    -> //
Query OK, 0 rows affected (0.01 sec)

mysql> select * from n_rollcall;
    -> //
+---------+---------+-------------+
| roll_no | name    | address     |
+---------+---------+-------------+
|       4 | Suraj   | Pune        |
|       5 | Sarthak | Ahemadnagar |
|       1 | Pratik  | Parbhani    |
|       2 | Onkar   | Solapur     |
|       3 | Ashok   | Dharashiv   |
+---------+---------+-------------+
5 rows in set (0.00 sec)

mysql> insert into o_rollcall values('6','Mahesh','Kolhapur');
    -> //
Query OK, 1 row affected (0.00 sec)

mysql> call p3(4);
    -> //
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from n_rollcall;
    -> //
+---------+---------+-------------+
| roll_no | name    | address     |
+---------+---------+-------------+
|       4 | Suraj   | Pune        |
|       5 | Sarthak | Ahemadnagar |
|       1 | Pratik  | Parbhani    |
|       2 | Onkar   | Solapur     |
|       3 | Ashok   | Dharashiv   |
|       6 | Mahesh  | Kolhapur    |
+---------+---------+-------------+
6 rows in set (0.00 sec)

mysql>
```