

Group A : Lab Assignment No. 6

Title : Write a PL/SQL block of code using parameterized cursor that will merge the data available in newly created table N_RollCall with the data available in the O_RollCall. If the data in the first table already exists in the second table then that data should be skipped.

```
mysql> use Abhi;
```

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A
Database changed

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

Query OK, 0 rows affected (0.28 sec)

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

Query OK, 0 rows affected (0.27 sec)

```
mysql> insert into o_rollcall values('1','Hitesh','Nandura'); Query OK, 1 row  
affected (0.05 sec)
```

```
mysql> insert into o_rollcall values('2','Piyush','MP');
```

Query OK, 1 row affected (0.06 sec)

```
mysql> insert into o_rollcall values('3','Ashley','Nsk');
```

Query OK, 1 row affected (0.05 sec)

```
mysql> insert into o_rollcall values('4','Kalpesh','Dhule');
```

Query OK, 1 row affected (0.05 sec)

```
mysql> insert into o_rollcall values('5','Abhi','Satara');
```

Query OK, 1 row affected (0.04 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 (0.00 sec)

```
mysql> call p3(3);
```

```
-> //
```

Query OK, 0 rows affected (0.10 sec)

```
mysql> select * from n_rollcall;
```

```
-> //
```

```
+-----+-----+-----+
```

```
| roll_no | name
| address |
+-----+-----+-----+
| 4 | Kalpesh | Dhule |
| 5 | Abhi | Satara
+-----+-----+-----+
2 rows in set (0.00 sec)
```

```
mysql> call p3(0);
-> //
```

Query OK, 0 rows affected (0.22 sec)

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

```
+-----+-----+-----+
| roll_no | name
| address |
+-----+-----+-----+
| 4 | Kalpesh | Dhule |
| 5 | Abhi | Satara |
| 1 | Hitesh | Nandura |
| 2 | Piyush | MP |
| 3 | Ashley | Nsk |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

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

Query OK, 1 row affected (0.04 sec)

```
mysql> call p3(4);
-> //
```

Query OK, 0 rows affected (0.05 sec)

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

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

```
+-----+-----+-----+
| 4 | Kalpesh | Dhule |
| 5 | Abhi | Satara |
| 1 | Hitesh | Nandura |
| 2 | Piyush | MP |
| 3 | Ashley | Nsk |
| 6 | Patil | Kolhapur |
+-----+-----+-----+
6 rows in set (0.00 sec)
mysql>
```