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>
```