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DBMSL

Assignment 6

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_EmpId with data available in the table O_EmpId. If the data in the first table already exist in the second table then that data should be skipped.

create table O_EmpId(id int primary key,name varchar(30));

create table N_EmpId(id int primary key,name varchar(30));

```
mysql> select * from O_EmpId;
+-----+
| id | name |
+-----+
| 1 | Anu |
| 5 | Sakshi |
| 6 | Anjali |
+-----+
3 rows in set (0.00 sec)
```

```
mysql> select * from N_EmpId;
+-----+
| id | name |
+-----+
| 1 | Anu |
| 2 | Dhanshree |
| 3 | Sampada |
| 5 | Sakshi |
| 6 | Anjali |
+-----+
5 rows in set (0.00 sec)
```

Procedure :

```
mysql> DELIMITER //
mysql>
mysql> CREATE PROCEDURE copydata()
-> BEGIN
->     DECLARE done INT DEFAULT FALSE;
->     DECLARE cid INT;
->     DECLARE cname VARCHAR(30);
->
->     DECLARE cur CURSOR FOR SELECT id, name FROM O_EmpId;
->     DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
->
->     OPEN cur;
->
->     read_loop: LOOP
->         FETCH cur INTO cid,cname;
->         IF done THEN
->             LEAVE read_loop;
->         END IF;
->
->         IF NOT EXISTS (SELECT 1 FROM N_EmpId WHERE N_EmpId.id = cid) THEN
->             INSERT INTO N_EmpId(id, name) VALUES (cid, cname);
->         END IF;
->     END LOOP;
->
->     CLOSE cur;
-> END //
```

Output :

```
mysql> select * from N_EmpId;
```

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

id	name
----	------

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

1	Anu
---	-----

2	Dhanshree
---	-----------

3	Sampada
---	---------

5	Sakshi
---	--------

6	Anjali
---	--------

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

```
5 rows in set (0.00 sec)
```