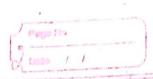
## Assignment 6

Page No.

- 1	
	Title: Cursors (Implicit, Explicit, cursor for 100p, parameterized cursors)
	problem statement:  Write pisal black of code using  parameterized cursor that will merge the  data available in the newly created table
	Objectives:  Understand types of cursors with  PLSOL
	S/W H/W requirements: Mysol, win 10 64 bit, 4GBRAM SpaBSID  Theory:
	Curror: For the processing of any sol statements database needs to allocate memory. This memory is called context area. This area is a part of PGA and is allocated on oracle server.  A curror is associated with this work area by aracle for multipow queries.  A cursor is a handle or pointer to the context area. The cursor allows to process contents in the context area row by row

Teacher's Signature



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	Types of cursors:
	i implicit cursors
	Defined by oracle implicity.
	oracle defines implicit cursor
	J. Explicit cursor
	These are user defined cursors which
	are defined in declaration section of PLSOL block
	using a cursor:
	1. Declare
	2. Open
	3. Fetch rows
. [8]	4. close
W. Company	Syntax:
4. 11	Déclare
	curior curior-name il query;
	Begin
E m	open curcar-name;
	fetch cursor name into list-of-variables;
1	close cursor-name;
1.	endi
	attributes of explicit cursors.
	y. found -> true if previous fetch return rows
	1. DOTEOUND -> OPPOSITE OF FOUND
	VICOPEN -> True IF CUTSOF IS OPEN.
	Y ROW COUNT -> return no. OF rows.

```
MvSQL 8.0 Command Line Client - Unicode
mysql>
mysql> drop database assignment06;
Query OK, 2 rows affected (0.04 sec)
mysql>
mysql> create database assignment06;
Query OK, 1 row affected (0.00 sec)
mysql>
mysql> use assignment06;
Database changed
mysql>
mysql> create table O_Emps(
        id int not null auto_increment,
           name varchar(20) not null, salary int not null default 10000,
            primary key(id)
    ->
Query OK, 0 rows affected (0.02 sec)
mysql>
mysql> desc O_Emps;
  Field
                           Null
                                         Default
           Type
                                   Key
                                                     Extra
  id
                                                    auto_increment
           int
                           NO
                                   PRI
                                          NULL
            varchar(20)
                           NO
                                         NULL
  name
  salary |
           int
                                         10000
                           NO
 rows in set (0.00 sec)
mysql>
mysql> create table N_Emps(
```

```
MvSQL 8.0 Command Line Client - Unicode
mysql>
mysql> create table N_Emps(
            id int not null auto_increment,
            name varchar(20) not null, salary int not null default 20000,
            primary key(id)
    ->
    -> );
Query OK, 0 rows affected (0.02 sec)
mysql>
mysql> desc N_Emps;
  Field
            Type
                                     Key
                                            Default
                             Null
                                                         Extra
  id
            int
                                                         auto_increment
                             NO
                                      PRI
                                             NULL
            varchar(20)
                             NO
                                             NULL
  name
  salary |
            int
                             NO
                                             20000
  rows in set (0.00 sec)
mysql>
mysql> insert into O_Emps (id, name)
-> values (1, 'Rupesh'),
                 (2, 'Ŕohan'),
(3, 'Nikhil'),
                  (5, 'Omkar')
     ->
                  (7, 'Dheeraj');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
mysql>
mysql> select * from O_Emps;
```

```
mysql>
mysql> insert into N_Emps (id, name)
    -> values (1, 'Rama'),
    -> (2, 'Ramesh'),
    -> (3, 'Omkar');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
mysql>
```

mýsql>	select	<pre>* from N_Emps;</pre>
++   id	name	++   salary
	Rama Ramesh Omkar	++   20000     20000     20000
++	 in set	20000   ++ (0 00 sec)

```
MvSQL 8.0 Command Line Client - Unicode
mysql>
mysql> delimiter //
mysql>
mysql> create procedure merge()
    -> begin
    ->
           declare v_name varchar(20);
           declare v_salary int;
    ->
           declare c1 cursor for select name, salary from O_Emps;
    ->
           declare exit handler for NOT FOUND select "Successfully Merged";
    ->
           open c1;
    ->
           loop
    ->
                fetch c1 into v_name, v_salary;
    ->
               if v_name not in (select name from N_Emps) then
    ->
                    insert into N_Emps (name, salary) values (v_name, v_salary);
    ->
               end if;
    ->
           end loop;
    ->
           close c1;
    ->
    -> end //
Query OK, 0 rows affected (0.01 sec)
mysql>
mysql> delimiter ;
mysql>
mysql> select * from N_Emps;
                salary
      name
                  20000
       Rama
       Ramesh
                  20000
       Omkar
                  20000
  rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Client - Unicode
mysql>
mýsql> call merge();
  Successfully Merged
  Successfully Merged
1 row in set (0.01 sec)
Query OK, 0 rows affected (0.02 sec)
mysql>
mysql> select * from N_Emps;
                  salary
      name
                   20000
       Rama
                   20000
       Ramesh
                   20000
       Omkar
       Rupesh
                   10000
       Rohan
                   10000
       Nikhil
                   10000
       Dheeraj
                   10000
  rows in set (0.00 sec)
mysql> _
```