Practical 6 : Cursor

Name : dhanshri pravin nemade

mysql> create database class;

Query OK, 1 row affected (0.01 sec)

mysql> use class;

Database changed

mysql> create table O\_RollCall(roll\_no int(3),name varchar(20));

Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> create table N\_RollCall(roll\_no int(3),name varchar(20));

Query OK, 0 rows affected, 1 warning (0.02 sec)

mysql> insert into O\_RollCall values (1,'dhanshri');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (2,'renuka');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (3,'shravani');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (4,'sumit');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (5,'meghraj');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (6,'kavita');

Query OK, 1 row affected (0.01 sec)

mysql> insert into O\_RollCall values (7,'meghana');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from O\_RollCall;

+---------+----------+

| roll\_no | name |

+---------+----------+

| 1 | dhanshri |

| 2 | renuka |

| 3 | shravani |

| 4 | sumit |

| 5 | meghraj |

| 6 | kavita |

| 7 | meghana |

+---------+----------+

7 rows in set (0.00 sec)

mysql> select \* from N\_RollCall;

Empty set (0.00 sec)

mysql> delimiter //

mysql> create procedure cursor\_proc\_p1()

-> begin

-> declare fin integer default 0;

-> declare old\_roll int(3);

-> declare old\_name varchar(20);

-> declare new\_roll int(3);

-> declare old\_csr cursor for select roll\_no,name from O\_RollCall;

-> declare new\_csr cursor for select roll\_no from N\_RollCall;

-> declare continue handler for not found set fin=1;

-> open old\_csr;

-> open new\_csr;

-> ss:loop

-> fetch old\_csr into old\_roll,old\_name;

-> fetch new\_csr into new\_roll;

-> if fin=1 then

-> leave ss;

-> end if;

-> if old\_roll<>new\_roll then

-> insert into N\_RollCall values(old\_roll,old\_name);

-> end if;

-> end loop;

-> close old\_csr;

-> close new\_csr;

-> end //

Query OK, 0 rows affected, 2 warnings (0.01 sec)

mysql> create procedure cursor\_proc\_p2(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 (0.01 sec)

mysql> call cursor\_proc\_p2(5); //

Query OK, 0 rows affected (0.01 sec)

mysql> select \* from O\_RollCall; //

+---------+----------+

| roll\_no | name |

+---------+----------+

| 1 | dhanshri |

| 2 | renuka

| 3 | shravani |

| 4 | sumit |

| 5 | meghraj |

| 6 | kavita |

| 7 | meghana |

+---------+----------+

7 rows in set (0.00 sec)

mysql> select \* from N\_RollCall; //

+---------+---------+

| roll\_no | name |

+---------+---------+

| 6 | kavita |

| 7 | meghana |

+---------+---------+

2 rows in set (0.00 sec)

mysql> call cursor\_proc\_p2(3); //

Query OK, 0 rows affected (0.01 sec)

mysql> call cursor\_proc\_p1(); //

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from O\_RollCall; //

+---------+----------+

| roll\_no | name |

+---------+----------+

| 1 | dhanshri |

| 2 | renuka |

| 3 | shravani |

| 4 | sumit |

| 5 | meghraj |

| 6 | kavita |

| 7 | meghana |

+---------+----------+

7 rows in set (0.00 sec)

mysql> select \* from N\_RollCall; //

+---------+----------+

| roll\_no | name |

+---------+----------+

| 6 | kavita |

| 7 | meghana |

| 4 | sumit |

| 5 | meghraj |

| 1 | dhanshri |

| 2 | renuka |

| 3 | shravani |

| 4 | sumit |

+---------+----------+

8 rows in set (0.00 sec)