Assignment - VI

Title: Write a PYSEL program using the data available on newly created

Problem Statement!

Write a PL/ser block of code using parameterized exosor that will merge the data available in newly meated table.

objective !

- To understand the types of cursors - To understand how to use cursor with PL/SOL block.

S/W & H/W requirement 1-

SOL, 64 bit OS Pedora.

outcome 1 The students will be able to - Implement PLISQL block code - Implement type of cursor,

Theory 1-

PLISCEL :-

procedural commands (If statement, loop)
Organized within blocks,

Cursors :-

area ereated in the system memory.

When a soci statement is executed.

A cursor container mfa on a select

Statement & rows of data accessed

by it.

This temposy work area to used to store data, metrived from the data. I base I manipulate the data. A cursor can hold more than one row but can process. Only one row at a time. The set of rows the cursor holds is called active set.

Two types of cursors.

1) Implicit cursor.

2) Explicit Cursor.

Implicit cursor 1

when DML statement like Fisert, Opdate & delete statements are executed they are also created when a select statement that returns just one row is executed.

Explicit cursor 1-

They must be created cohen you are executing a select statement that neturns waske more than one row. Even though the cursor stores mieltiple records only one record can be processed at a time which is called as cursor row.

When you fetch the row the current row position moves to the healt row Both implicit & explicit cursors have the same functionality but they differ in the way they are accessed.

Syntax 1-

Declare cursor name cursor for select - alumn name from table. Petch cursor thto reviable as in fetch cursorname thto variable

Test cases 1-0/P Result J/P operation New Touble old teble: call procedure 1, 1 Raj 1, Raj Succession and update 2, 'John' 2, 'john' status Call proc-mergel), old table. NewTable 1, mark' 2, 'Aditya' Sucy New Table 2, 'Aditya' 2, 'mask' call proc mergel),

Conclusion :-

In this assignment we learn to write program using parameterized eursor that will merge the data available or newly meated table

```
Source Code:
Create procedure proc_merge()
begin
declare roll int;
declare exit_loop boolean;
declare c1 cursor for select rolln from oldRollCall;
declare continue handler for not found set exit_loop = TRUE;
open c1;
loop1: loop
fetch c1 into roll;
if ( not exists (select * from newRollCall where rolln = roll ) ) then
insert into newRollCall select * from oldRollCall where rolln = roll;
end if;
if exit_loop then
close c1;
leave loop1;
end if;
end loop loop1;
end
```

atabase changed ysql> show tables;	
Tables_in_practical6	
newrolicall oldrollcall	
rows in set (3.00 sec)	
ysql> show create procedure proc_merge;	
Procedure sql mode	Create Procedure
Procedure add_more	Create Procession
character_set_client collation_connection Database Collation	
proc_merge ONLY_FULL_GROUP_BV,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,EBROR_FOR_DIVISION_BY_ZERO,NO_AUTO_CREATE_USER,NO_ENGINE_SUBSTITUTION CREATE DEFINER='root'@'localhost' PROCEDURE 'proc_merge')	
eclare roll int; eclare exit loop boolean;	
eclare of cursor for select rolln from oldrollcall; eclare continue handler for not found set exit loop = TRUE;	
pen cl;	
oop: loop etch c1 into roll;	
f (not exists (select * from newrollcall where rolln = roll)) then nsert into newrollcall select * from oldrollcall where rolln = roll;	
nd if; f exit_loop then	
lose c1; eave loop1;	
nd tF; nd lacp lacp1;	
nd utf8mb4	
row in set (0.01 sec)	
ysql> select * from olerollcall;	
rolln name addr	