**Sanjivani College of Engineering,**

**Department of Computer Engineering.**

**DATABASE MANAGEMENT SYSTEM LABORATORY.**

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* Class: SY A
* Roll No.:18
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* Assignment No.:4
* **Problem statement:-**

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\_RollCall with the data available in the table O\_RollCall. If the data in the first table already exist in the second table then that data should be skipped. Frame the separate problem statement for writing PL/SQL block to implement all types of Cursors inline with above statement. The problem statement should clearly state the requirements

* **To create Database cursor:-**

create database assi7;

use assi7;

show tables;

* **Create table old\_roll and new\_roll and insert values in it:-**

create table old\_roll(roll int,name varchar(10));

create table new\_roll(roll int,name varchar(10));

insert into old\_roll values(4,'d');

insert into old\_roll values(3,'bcd');

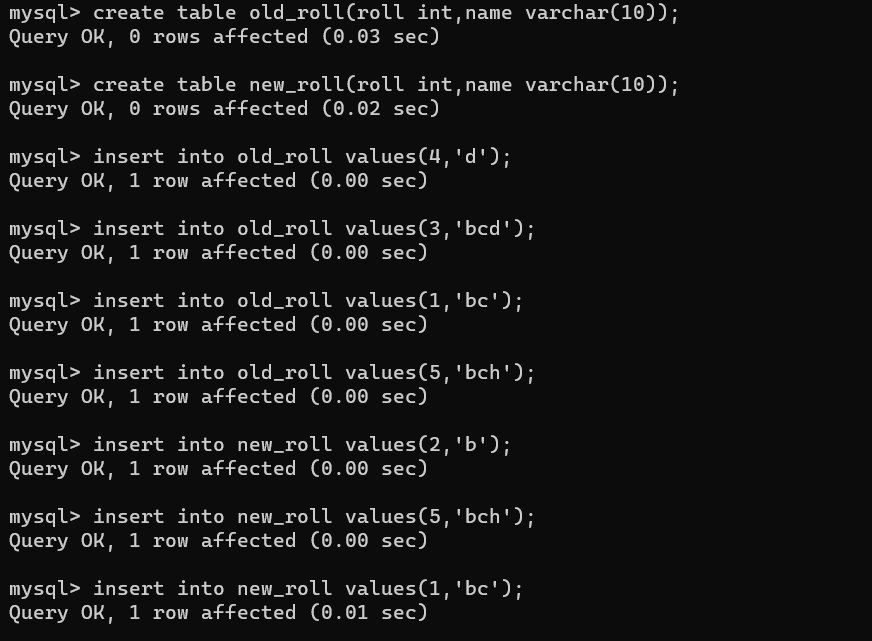
insert into old\_roll values(1,'bc');

insert into old\_roll values(5,'bch');

insert into new\_roll values(2,'b');

insert into new\_roll values(5,'bch');

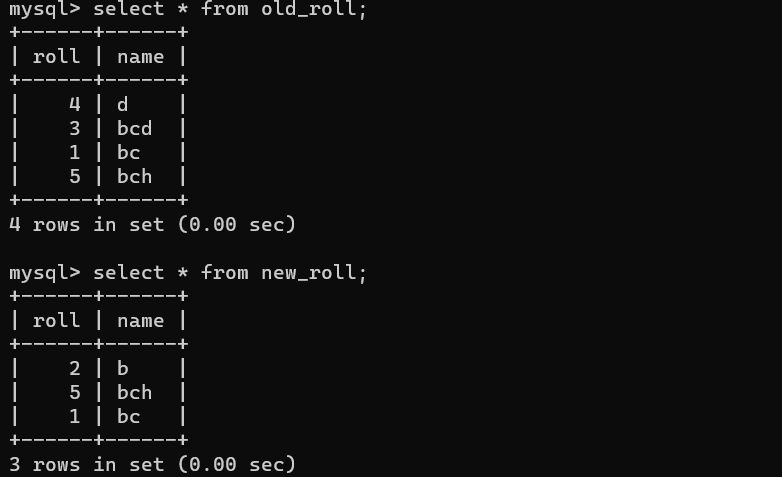
insert into new\_roll values(1,'bc');



* **To display old\_roll and new\_roll:-**

select \* from old\_roll;

select \* from new\_roll;



delimiter $

create procedure roll\_list()

begin

declare oldrollnumber int;

declare oldname varchar(10);

declare newrollnumber int;

declare newname varchar(10);

declare done int default false;

declare c1 cursor for select roll,name from old\_roll;

declare c2 cursor for select roll,name from new\_roll;

declare continue handler for not found set done=true;

open c1;

loop1:loop

fetch c1 into oldrollnumber,oldname;

if done then

leave loop1;

end if;

open c2;

loop2:loop

fetch c2 into newrollnumber,newname;

if done then

insert into new\_roll values(oldrollnumber,oldname);

set done=false;

close c2;

leave loop2;

end if;

if oldrollnumber=newrollnumber then

leave loop2;

end if;

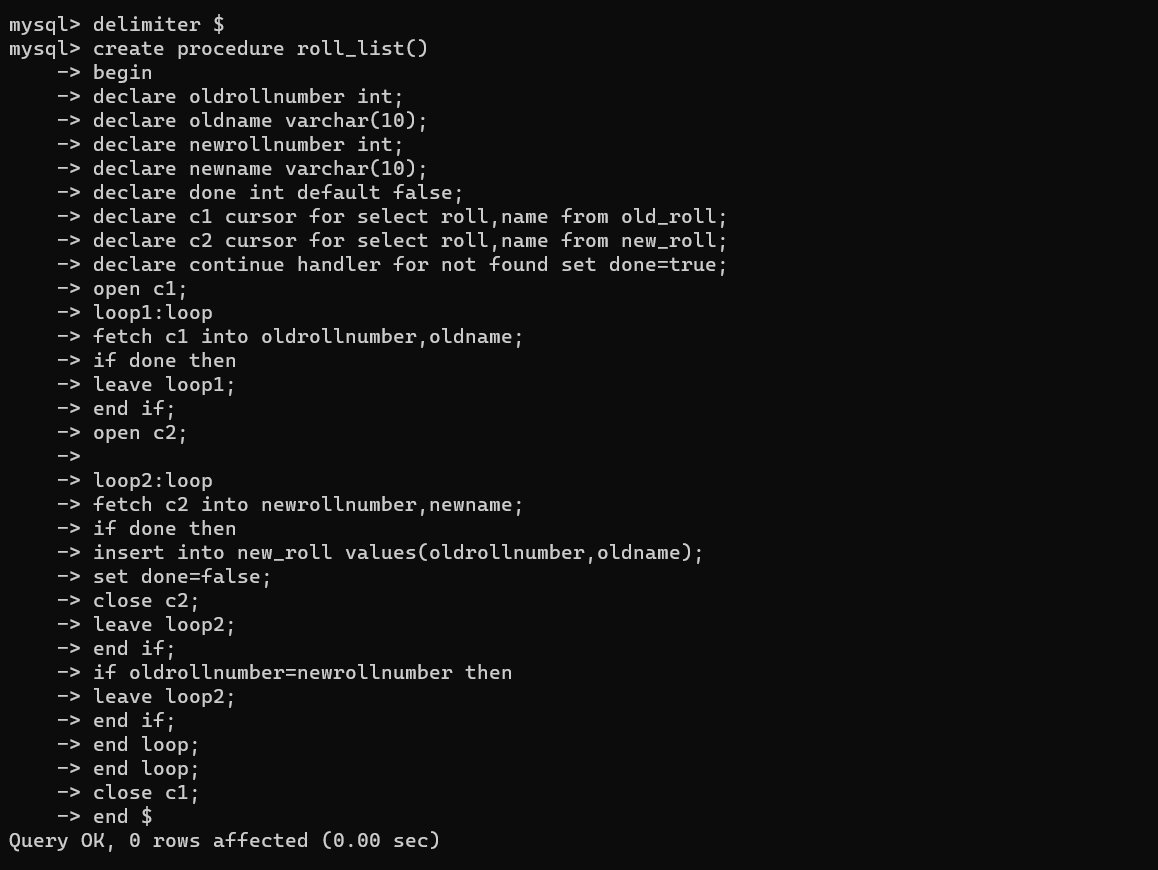
end loop;

end loop;

close c1;

end $

delimiter ;



call roll\_list();

select \* from new\_roll;

