Assignment: 06

(PL/SQL - Cursor)

Problem Statement a): 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.

Code:

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

Query OK, 0 rows affected (0.22 sec)

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

Query OK, 0 rows affected (0.27 sec)

mysql> insert into old\_roll values(8,'asd'),(6,'bcd'),(2,'cdn'),(5,'sch');

Query OK, 4 rows affected (0.03 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> insert into new\_roll values(4,'e'),(5,'sch'),(2,'cdn');

Query OK, 3 rows affected (0.03 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from old\_roll;

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

| roll | name |

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

| 8 | asd |

| 6 | bcd |

| 2 | cdn |

| 5 | sch |

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

4 rows in set (0.00 sec)

mysql> select \* from new\_roll;

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

| roll | name |

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

| 4 | e |

| 5 | sch |

| 2 | cdn |

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

3 rows in set (0.00 sec)

mysql> delimiter //

mysql> create procedure roster()

-> begin

-> declare oldrn int;

-> declare oldname varchar(10);

-> declare newrn 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 oldrn,oldname;

-> if done then

-> leave loop1;

-> end if;

-> open c2;

-> loop2:loop

-> fetch c2 into newrn,newname;

-> if done then

-> insert into new\_roll values(oldrn,oldname);

-> set done=false;

-> close c2;

-> leave loop2;

-> end if;

-> if oldrn=newrn then

-> leave loop2;

-> end if;

-> end loop;

-> end loop;

-> close c1;

-> end //

Query OK, 0 rows affected (0.05 sec)

mysql> delimiter ;

mysql> select \* from new\_roll;

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

| roll | name |

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

| 4 | e |

| 5 | sch |

| 2 | cdn |

| 8 | asd |

| 6 | bcd |

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

5 rows in set (0.00 sec)

mysql> notee