

Assignment No. 5

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Roll No: TEAI&DB76

Title: Write a PL/SQL block of code using parameterized Cursor that will merge the data available in the newly created table N_Roll_Call with the data available in the table O_Roll_Call. If the data in the first table already exists in the second table then that data should be skipped.

Query:

```
gaurav@GB:~$ sudo mysql
[sudo] password for gaurav:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 18
Server version: 8.0.34-0ubuntu0.20.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use practical;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> create table oldroll(roll int,Name varchar(20));
Query OK, 0 rows affected (0.04 sec)

mysql> create table newroll(roll int,Name varchar(20));
Query OK, 0 rows affected (0.03 sec)

mysql> insert into newroll values(2,"dhanshree"),(5,"asmita");
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql> insert into oldroll values (2,"hema"),(5,"aditi"),(4,"srushti"),(5,"asmita");
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from newroll;
+-----+
| roll | Name |
+-----+
| 2    | dhanshree |
| 5    | asmita   |
+-----+
```

```
mysql> select * from oldroll;
+-----+
| roll | Name |
+-----+
| 2    | hema |
| 5    | aditi |
| 4    | srushti |
| 5    | asmita |
+-----+
4 rows in set (0.00 sec)

mysql> delimiter $$
mysql> DELIMITER $$

CREAMysql>
mysql> CREATE PROCEDURE rolldist()
-> BEGIN
-> DECLARE a INT;
-> DECLARE a1 VARCHAR(10);
-> DECLARE b INT;
-> DECLARE b1 VARCHAR(10);
-> DECLARE done INT DEFAULT FALSE;
->
-> DECLARE c1 CURSOR FOR SELECT roll, name FROM oldroll;
-> DECLARE c2 CURSOR FOR SELECT roll, name FROM newroll;
->
-> DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
->
-> OPEN c1;
-> OPEN c2;
->
-> loop1: LOOP
-> FETCH c1 INTO a, a1;
->
->
-> IF done THEN
-> LEAVE loop1;
-> END IF;
->
```

```
gaurav@GB: ~
-> loop1: LOOP
->   FETCH c1 INTO a, a1;
->
->   IF done THEN
->     LEAVE loop1;
->   END IF;
->
->   loop2: LOOP
F  ->     FETCH c2 INTO b, b1;
->
->     IF done THEN
->       INSERT INTO newroll VALUES (a, a1);
->       LEAVE loop2;
->     END IF;
->
->     IF a = b THEN
->       LEAVE loop2;
->     END IF;
->   END LOOP;
-> END LOOP;
-> CLOSE c1;
-> CLOSE c2;
-> END$$
ELIMITER ;Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> DELIMITER ;
mysql> call rolldlist();
Query OK, 1 row affected (0.01 sec)

mysql> select * from newroll;
+-----+-----+
| roll | Name |
+-----+-----+
| 2    | dhanshree |
| 5    | asmita |
| 4    | srushti |
+-----+-----+
```

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