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Roll Number: 31118

Subject: DBSL – Assignment 06

**Code**:

CREATE TABLE new\_emps(

    emp\_id INT PRIMARY KEY NOT NULL,

    emp\_name VARCHAR(200)

);

CREATE TABLE old\_emps(

    emp\_id INT PRIMARY KEY NOT NULL,

    emp\_name VARCHAR(200)

);

INSERT INTO old\_emps(emp\_id, emp\_name)

VALUES (1, 'Natasha'), (2, 'Tony'), (3, 'Steve');

INSERT INTO new\_emps(emp\_id, emp\_name)

VALUES (4, 'Peter'), (5, 'Vision'), (3, 'Steve');

DELIMITER //

CREATE PROCEDURE update\_old()

BEGIN

    DECLARE done INT DEFAULT FALSE;

    DECLARE cur\_emp\_id INT;

    DECLARE cur\_emp\_name VARCHAR(200);

    DECLARE cur CURSOR FOR

    SELECT emp\_id, emp\_name FROM new\_emps WHERE emp\_id NOT IN (SELECT emp\_id FROM old\_emps);

    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;

    OPEN cur;

    emp\_loop: LOOP

        FETCH cur INTO cur\_emp\_id, cur\_emp\_name;

        IF done THEN

            LEAVE emp\_loop;

        END IF;

        INSERT INTO old\_emps(emp\_id, emp\_name)

        VALUES(cur\_emp\_id, cur\_emp\_name);

    END LOOP;

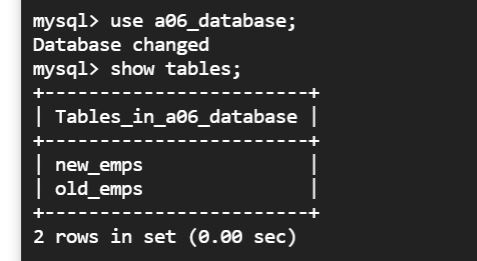
    CLOSE cur;

END //

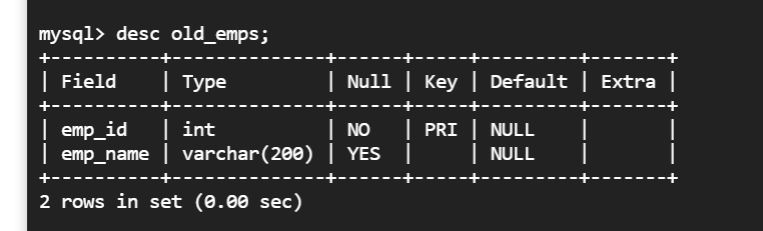
DELIMITER ;

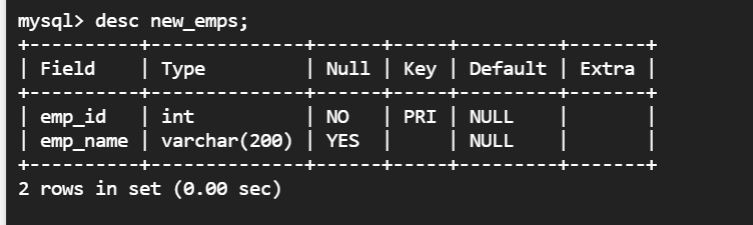
**Output**:

**Tables**:

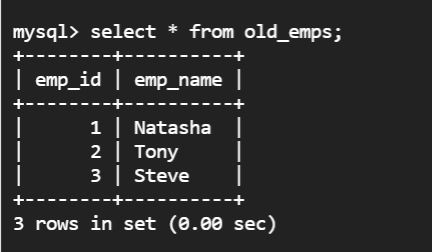


**Schema of the tables:**

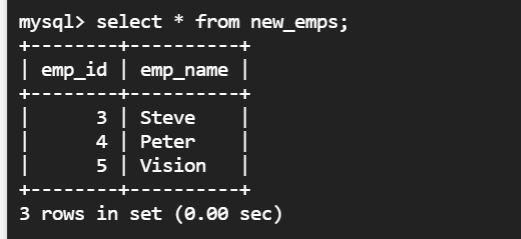




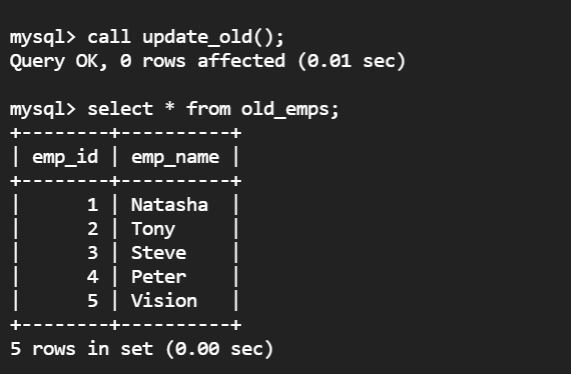
**Initial data in old\_emps tables:**



**Initial data in new\_emps table:**



**Using Cursor to Update the old\_emps table:**



*Explanation:* There were three employees in old\_emps table and three in new\_emps table. We are updating old\_emps table with new\_emps table. As employee with id 3 is already present in old\_emps table it should not added again while employees with id 4 and 5 are new entries for old\_emps table so that should be added. So as a result our old\_emps table should contain 5 emps which is shown in above screenshot.

Thank You!