

Assignment 6

Creating and Populating Old and New Employee Tables

```
MariaDB [te31311_db]> CREATE TABLE N_EmpID (
    emp_id INT,
    dept_id INT,
    emp_fname VARCHAR(20),
    emp_lname VARCHAR(20),
    emp_position VARCHAR(50),
    emp_salary INT,
    emp_jdate DATE,
    PRIMARY KEY (emp_id)
);

MariaDB [te31311_db]> CREATE TABLE Old_EmpID (
    emp_id INT,
    dept_id INT,
    emp_fname VARCHAR(20),
    emp_lname VARCHAR(20),
    emp_position VARCHAR(50),
    emp_salary INT,
    emp_jdate DATE,
    PRIMARY KEY (emp_id)
);

MariaDB [te31311_db]> INSERT INTO Old_EmpID VALUES
(19,2,'molestiae','nostrum','quisquam',850067,'1990-02-16'),
(23,2,'aut','quis','harum',313554,'1976-09-16'),
(32,2,'et','et','architecto',942122,'1972-03-16'),
(33,3,'voluptatem','at','rerum',731520,'1990-06-28'),
(34,2,'fugit','harum','omnis',477917,'1985-08-06'),
(36,1,'provident','voluptatem','at',145306,'1995-07-06'),
(55,3,'suscipit','et','et',481782,'2011-05-10'),
(59,1,'ea','temporibus','qui',861072,'1988-07-26'),
(60,3,'fuga','quia','placeat',393128,'1988-10-12'),
(63,1,'voluptatem','nihil','reiciendis',856496,'1986-10-27'),
(67,3,'amet','expedita','similique',720147,'2000-11-24'),
(69,1,'dolore','magni','eius',414471,'1972-11-21'),
(70,2,'quos','veritatis','ex',938067,'1997-04-13'),
(81,2,'sequi','aut','voluptatibus',120184,'1987-12-17'),
(84,3,'ipsum','sunt','nemo',446727,'1977-03-24'),
(91,1,'tempore','qui','quia',338584,'1992-07-24'),
(110,1,'consequatur','ipsam','est',576805,'2001-04-22'),
(111,2,'eveniet','assumenda','rerum',526825,'2006-04-23'),
(123,3,'optio','esse','est',730407,'1989-06-18'),
(138,2,'nihil','rerum','eum',311204,'2009-03-02');

MariaDB [te31311_db]> INSERT INTO N_EmpID VALUES
(19,2,'molestiae','nostrum','quisquam',850067,'1990-02-16'),
(23,2,'aut','quis','harum',313554,'1976-09-16'),
(32,2,'et','et','architecto',942122,'1972-03-16'),
(33,3,'voluptatem','at','rerum',731520,'1990-06-28'),
(34,2,'fugit','harum','omnis',477917,'1985-08-06'),
(36,1,'provident','voluptatem','at',145306,'1995-07-06'),
(55,3,'suscipit','et','et',481782,'2011-05-10'),
(165,1,'molestiae','itaque','dolorem',948514,'1975-08-09'),
(168,2,'id','et','ut',771819,'2003-08-17'),
(172,1,'iure','omnis','ut',486159,'2006-09-16'),
(173,1,'perferendis','omnis','veniam',845958,'1990-07-14'),
(174,2,'alias','debitis','aut',679066,'2014-04-10'),
(179,2,'doloremque','voluptate','voluptate',148700,'1989-03-13'),
(184,1,'sed','error','reiciendis',993787,'1971-11-13'),
(186,1,'voluptas','eum','et',940556,'1983-09-08'),
(195,2,'nesciunt','non','autem',215182,'2011-04-22'),
(198,1,'pariatur','autem','deserunt',974698,'1972-04-24');

MariaDB [te31311_db]> select * from N_EmpID;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | dept_id | emp_fname | emp_lname | emp_position | emp_salary | emp_jdate |
+-----+-----+-----+-----+-----+-----+-----+
| 19 | 2 | molestiae | nostrum | quisquam | 850067 | 1990-02-16 |
| 23 | 2 | aut | quis | harum | 313554 | 1976-09-16 |
| 32 | 2 | et | et | architecto | 942122 | 1972-03-16 |
| 33 | 3 | voluptatem | at | rerum | 731520 | 1990-06-28 |
| 34 | 2 | fugit | harum | omnis | 477917 | 1985-08-06 |
| 36 | 1 | provident | voluptatem | at | 145306 | 1995-07-06 |
| 55 | 3 | suscipit | et | et | 481782 | 2011-05-10 |
| 165 | 1 | molestiae | itaque | dolorem | 948514 | 1975-08-09 |
| 168 | 2 | id | et | ut | 771819 | 2003-08-17 |
| 172 | 1 | iure | omnis | ut | 486159 | 2006-09-16 |
| 173 | 1 | perferendis | omnis | veniam | 845958 | 1990-07-14 |
| 174 | 2 | alias | debitis | aut | 679066 | 2014-04-10 |
| 179 | 2 | doloremque | voluptate | voluptate | 148700 | 1989-03-13 |
| 184 | 1 | sed | error | reiciendis | 993787 | 1971-11-13 |
| 186 | 1 | voluptas | eum | et | 940556 | 1983-09-08 |
| 195 | 2 | nesciunt | non | autem | 215182 | 2011-04-22 |
| 198 | 1 | pariatur | autem | deserunt | 974698 | 1972-04-24 |
+-----+-----+-----+-----+-----+-----+-----+
17 rows in set (0.001 sec)

MariaDB [te31311_db]> select * from Old_EmpID;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | dept_id | emp_fname | emp_lname | emp_position | emp_salary | emp_jdate |
+-----+-----+-----+-----+-----+-----+-----+
| 19 | 2 | molestiae | nostrum | quisquam | 850067 | 1990-02-16 |
| 23 | 2 | aut | quis | harum | 313554 | 1976-09-16 |
| 32 | 2 | et | et | architecto | 942122 | 1972-03-16 |
```

33	3	voluptatem	at	rerum	731520	1990-06-28
34	2	fugit	harum	omnis	477917	1985-08-06
36	1	provident	voluptatem	at	145306	1995-07-06
55	3	suscipit	et	et	481782	2011-05-10
59	1	ea	temporibus	qui	861072	1988-07-26
60	3	fuga	quia	placeat	393128	1988-10-12
63	1	voluptatem	nihil	reiciendis	856496	1986-10-27
67	3	amet	expedita	similique	720147	2000-11-24
69	1	dolore	magni	eius	414471	1972-11-21
70	2	quos	veritatis	ex	938067	1997-04-13
81	2	sequi	aut	voluptatibus	120184	1987-12-17
84	3	ipsum	sunt	nemo	446727	1977-03-24
91	1	tempore	qui	quia	338584	1992-07-24
110	1	consequatur	ipsam	est	576805	2001-04-22
111	2	eveniet	assumenda	rerum	526825	2006-04-23
123	3	optio	esse	est	730407	1989-06-18
138	2	nihil	rerum	eum	311204	2009-03-02

20 rows in set (0.001 sec)

Create mergeEmp () procedure

```

MariaDB [te31311_db]> DELIMITER //
MariaDB [te31311_db]> CREATE PROCEDURE mergeEMP ()
-> BEGIN
->     DECLARE done INT DEFAULT 0;
->     DECLARE eno INT;
->     DECLARE old_cursor CURSOR FOR SELECT emp_id FROM Old_EmpID;
->     DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
->     OPEN old_cursor;
->
->     getEmpID: LOOP
->         IF done = TRUE THEN
->             LEAVE getEmpID;
->         END IF;
->         FETCH old_cursor INTO eno;
->
->         IF NOT EXISTS (SELECT 1 FROM N_EmpID where emp_id = eno) THEN
->             INSERT INTO N_EmpID
->             SELECT * FROM Old_EmpID
->             WHERE Old_EmpID.emp_id = eno;
->         END IF;
->     END LOOP;
->
->     CLOSE old_cursor;
-> END //
MariaDB [te31311_db]> DELIMITER ;

```

Call mergeEmp () procedure

```

MariaDB [te31311_db]> CALL mergeEmp();

```

Display Merged Table N_EmpID

```

MariaDB [te31311_db]> select * from N_EmpID;
+-----+-----+-----+-----+-----+-----+-----+
| emp_id | dept_id | emp_fname | emp_lname | emp_position | emp_salary | emp_jdate |
+-----+-----+-----+-----+-----+-----+-----+
| 19 | 2 | molestiae | nostrum | quisquam | 850067 | 1990-02-16 |
| 23 | 2 | aut | quis | harum | 313554 | 1976-09-16 |
| 32 | 2 | et | et | architecto | 942122 | 1972-03-16 |
| 33 | 3 | voluptatem | at | rerum | 731520 | 1990-06-28 |
| 34 | 2 | fugit | harum | omnis | 477917 | 1985-08-06 |
| 36 | 1 | provident | voluptatem | at | 145306 | 1995-07-06 |
| 55 | 3 | suscipit | et | et | 481782 | 2011-05-10 |
| 59 | 1 | ea | temporibus | qui | 861072 | 1988-07-26 |
| 60 | 3 | fuga | quia | placeat | 393128 | 1988-10-12 |
| 63 | 1 | voluptatem | nihil | reiciendis | 856496 | 1986-10-27 |
| 67 | 3 | amet | expedita | similique | 720147 | 2000-11-24 |
| 69 | 1 | dolore | magni | eius | 414471 | 1972-11-21 |
| 70 | 2 | quos | veritatis | ex | 938067 | 1997-04-13 |
| 81 | 2 | sequi | aut | voluptatibus | 120184 | 1987-12-17 |
| 84 | 3 | ipsum | sunt | nemo | 446727 | 1977-03-24 |
| 91 | 1 | tempore | qui | quia | 338584 | 1992-07-24 |
| 110 | 1 | consequatur | ipsam | est | 576805 | 2001-04-22 |
| 111 | 2 | eveniet | assumenda | rerum | 526825 | 2006-04-23 |
| 123 | 3 | optio | esse | est | 730407 | 1989-06-18 |
| 138 | 2 | nihil | rerum | eum | 311204 | 2009-03-02 |
| 165 | 1 | molestiae | itaque | dolore | 948514 | 1975-08-09 |
| 168 | 2 | id | et | ut | 771819 | 2003-08-17 |
| 172 | 1 | iure | omnis | ut | 486159 | 2006-09-16 |
| 173 | 1 | perferendis | omnis | veniam | 845958 | 1990-07-14 |
| 174 | 2 | alias | debitis | aut | 679066 | 2014-04-10 |
| 179 | 2 | doloremque | voluptate | voluptate | 148700 | 1989-03-13 |
| 184 | 1 | sed | error | reiciendis | 993787 | 1971-11-13 |
| 186 | 1 | voluptas | eum | et | 940556 | 1983-09-08 |
| 195 | 2 | nesciunt | non | autem | 215182 | 2011-04-22 |
| 198 | 1 | pariatur | autem | deserunt | 974698 | 1972-04-24 |
+-----+-----+-----+-----+-----+-----+-----+
30 rows in set (0.001 sec)

```