## 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'),
          (63,1,'Voluptatem','ninl','relclendis',856496,'1986-10-2/
(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,'ontio','esse','est',730407,'1989-06-18')
          (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 |
                      ---+-----+----
                      2 | molestiae | nostrum | quisquam | 850067 | 1990-02-16 |
        19 |
                                            | quis
                       2 | aut
        23 |
                                                              | harum
                                                                                           313554 | 1976-09-16
                                                              architecto |
                      2 | et | et 3 | voluptatem | at
                                                                                           942122 | 1972-03-16
        32 |
        33 I
                                                               | rerum
                                                                                           731520 | 1990-06-28
                                             | harum
        34 I
                      2 | fugit
                                                               omnis
                                                                                           477917 | 1985-08-06
        36 I
                      1 | provident
                                             | voluptatem | at
                                                                                           145306 | 1995-07-06
        55 I
                      3 |
                            suscipit
                                             | et
                                                              | et
                                                                                           481782 | 2011-05-10
                                                               | dolorem
                                                                                           948514 | 1975-08-09
       165 L
                      1 | molestiae
                                             | itaque
                                                                                           771819 | 2003-08-17
      168 |
                      2 | id
                                             | et
                                                               | ut
                      1 | iure
                                             omnis
                                                                                           486159 | 2006-09-16
      172 |
                                                               | ut
                            perferendis | omnis
                                                                                           845958 | 1990-07-14
                                                               | veniam
      173 |
                      1 |
                                                                                           679066 | 2014-04-10
      174 |
                      2 | alias
                                             | debitis
                                                               | aut
       179 I
                      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
                      2 | nesciunt
                                                                                           215182 | 2011-04-22
                                                                                           974698 | 1972-04-24
       198 |
                      1 | pariatur
                                             | autem
                                                               | deserunt
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 |
       2 | molestiae | nostrum | quisquam | 850067 | 1990-02-16 |
        19 I
                      | quis
                                                                                           313554 | 1976-09-16
        23 I
                                                              | harum
                                                              | architecto | 942122 | 1972-03-16 |
        32 I
```

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