MySQL Assessment 11/02/24

Create database:

```
MariaDB [(none)]> DROP database IF EXISTS employees_db;
Query OK, 0 rows affected, 1 warning (0.000 sec)

MariaDB [(none)]> CREATE database IF NOT EXISTS employees_db;
Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> USE employees_db;
Database changed
MariaDB [employees_db]> SHOW tables;
Empty set (0.003 sec)
```

Building the tables:

Normalisation of the database structure:

- 1. Employees table:
 - a. Table consistent but number of characters might be limited as names can be longer.
 - b. We add an alias 'emp_pk' to primary key to establish relations.

2. Departments table:

- a. Table consistent, using UNIQUE KEY or just UNIQUE to define 'dept_name' can be considered as a difference of style and achieves the same result.
- b. We change the number of characters of the dept_no to 8 to allow for updating them to 'old.'. This will allow us not to delete any department, as explained in the dept_manager table normalization.
- c. We add an alias 'dept_pk' to primary key to establish relations.

3. Dept_manager table:

a. Here we have an issue as we have a composite PRIMARY KEY (emp_no, dept_no). An employee can manage twice the same department in their career, so I will remove the primary key as it is not used in the structure.

b. Since the dept_no is set as NOT NULL, if we have a deletion triggered by the deletion of a department, we run into another violation as the corresponding rows will be null. To avoid that and data loss, we will replace the ON DELETE CASCADE to ON UPDATE CASCADE. A department cannot be deleted from the departments table without causing a problem in the child table. Therefore, we change the dept_no to a different code to mark that it is no longer active, by example with prefix 'old.'. To allow for this we first change the number of characters of the dept_no in all relevant tables to 8.

4. Dept_emp table:

a. We perform the same changes as in the dept_manager table to remove PRIMARY KEY (an employee can work twice in the same department at different times in their careers. And we ON UPDATE CASCADE the dept_no to keep historical data and avoid violations in the NOT NULL column.

5. Titles table:

- a. We can see this table cannot have a title if not associated with an employee, and it means titles can have typos and inconsistencies which might impede our analysis. I think it makes more sense to have a table with all the titles, and a title_id. We can then add the title_id as a column to a new emp_title table which refers to it.
- b. The new table emp_title will have emp_no, title_id, from_date, to_date, and the titles table will only have title_id and title_name columns.

6. Salaries table:

a. Here we perform the same normalization: removal of the composite primary key

Creating the tables in the DATABASE

- Table employees:

```
MariaDB [employees_db]> CREATE TABLE employees(
    -> emp_no INT NOT NULL,
        birth_date DATE NOT NULL,
    -> first_name VARCHAR(14) NOT NULL,
    -> last_name VARCHAR(16) NOT NULL,
    -> gender ENUM('M','F') NOT NULL,
    -> hire_date DATE NOT NULL,
    -> CONSTRAINT pk_emp PRIMARY KEY(emp_no)
    -> );
Query OK, 0 rows affected, 1 warning (0.018 sec)
MariaDB [employees_db]> DESC employees
  Field
             Type
                             | Null | Key | Default | Extra
              int(11)
                               NO
                                      PRI |
                                            NULL
 emp_no
 birth_date |
              date
                               NO
                                            NULL
  first_name |
               varchar(14)
                               NO
                                            NULL
               varchar(16)
  last_name
                               NO
                                            NULL
  gender
               enum('M','F')
                               NO
                                            NULL
  hire_date
               date
                               NO
                                            NULL
6 rows in set (0.004 sec)
```

- Departments table:

```
MariaDB [employees_db]> CREATE TABLE departments (
    -> dept_no CHAR(8) NOT NULL,
    -> dept_name VARCHAR(40) NOT NULL,
    -> UNIQUE KEY (dept_name),
    -> CONSTRAINT pk_dept PRIMARY KEY(dept_no)
    -> );
Query OK, 0 rows affected, 1 warning (0.013 sec)
MariaDB [employees_db]> DESC departments;
 Field
             Type
                          | Null
                                  Key | Default
             char(8)
 dept_no
                            NO
                                   PRI
                                         NULL
              varchar(40)
                            NO
                                   UNI |
                                         NULL
 dept_name
2 rows in set (0.004 sec)
```

- Dept manager table:

```
MariaDB [employees_db]> CREATE TABLE dept_manager (
    -> emp_no INT NOT NULL,
    -> dept_no CHAR(8) NOT NULL,
    -> from_date DATE NOT NULL,
    -> to_date DATE NOT NULL,
    -> FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE CASCADE,
    -> FOREIGN KEY (dept_no) REFERENCES departments (dept_no) ON UPDATE CASCADE
Query OK, 0 rows affected (0.014 sec)
MariaDB [employees_db]> DESC dept_manager;
                        Null | Key | Default | Extra
 Field
              Туре
              int(11)
                        NO
                               MUL
                                     NULL
  emp_no
  dept_no
              char(8)
                        NO
                               MUL
                                     NULL
                        NO
  from_date
              date
                                     NULL
                        NO
                                     NULL
 to_date
              date
4 rows in set (0.004 sec)
```

Dept_emp table:

```
MariaDB [employees_db]> CREATE TABLE dept_emp (
    -> emp_no INT NOT NULL,
    -> dept_no CHAR(8) NOT NULL,
   -> from_date DATE NOT NULL,
   -> to_date DATE NOT NULL,
    -> FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE CASCADE,
    -> FOREIGN KEY (dept_no) REFERENCES departments (dept_no) ON UPDATE CASCADE
   -> );
Query OK, 0 rows affected (0.018 sec)
MariaDB [employees_db]> DESC dept_emp;
 Field
                      | Null | Key | Default | Extra
             Type
              int(11)
 emp_no
                        NO
                               MUL
                                     NULL
 dept_no
              char(8)
                        NO
                               MUL
                                     NULL
 from_date
              date
                        NO
                                     NULL
 to_date
                        NO
                                     NULL
              date
 rows in set (0.006 sec)
```

- Titles table:

```
MariaDB [employees_db]> CREATE TABLE titles (
    -> title_no CHAR(8) NOT NULL,
    -> title VARCHAR(50) NOT NULL,
    -> CONSTRAINT pk_titles PRIMARY KEY(title_no)
    -> );
Query OK, 0 rows affected, 1 warning (0.023 sec)
```

```
MariaDB [employees_db]> DESC titles;
  Field
                            Null
                                   Key | Default
             Type
                                                    Extra
  title_no
             char(8)
                                         NULL
                            NO
                                   PRI
             varchar(50)
  title
                                         NULL
                           NO
 rows in set (0.004 sec)
```

- Emp_title table:

```
MariaDB [employees_db]> CREATE TABLE emp_title (
    -> emp_no INT NOT NULL,
    -> title_no CHAR(8) NOT NULL,
    -> from_date DATE NOT NULL,
    -> to_date DATE NOT NULL,
    -> FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE CASCADE,
    -> FOREIGN KEY (title_no) REFERENCES titles (title_no) ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.015 sec)
MariaDB [employees_db]> DESC emp_title;
Field
                      | Null | Key | Default | Extra
             Type
  emp_no
              int(11)
                        NO
                               MUL
                                     NULL
  title_no
              char(8)
                        NO
                               MUL
                                     NULL
  from_date
              date
                        NO
                                     NULL
  to_date
              date
                      NO
                                     NULL
4 rows in set (0.004 sec)
```

- Salaries table:

```
MariaDB [employees_db]> CREATE TABLE salaries (
   -> emp_no INT NOT NULL,
    -> salary INT NOT NULL,
   -> from_date DATE NOT NULL,
    -> to_date DATE NOT NULL,
    -> FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON DELETE CASCADE,
       PRIMARY KEY (emp_no, from_date)
Query OK, 0 rows affected (0.011 sec)
MariaDB [employees_db]> DESC salaries;
                        Null | Key | Default | Extra
 Field
             Type
              int(11)
                               PRI
                                     NULL
                        NO
 emp_no
 salary
              int(11)
                        NO
                                     NULL
              date
                        NO
                               PRI
                                     NULL
 from_date
 to_date
             date
                        NO
                                     NULL
 rows in set (0.006 sec)
```

Inserting the data:

Let's not forget to restructure our insert statements to reflect the new structure. We have added transformed the titles table in 2 tables:

- Emp_title to record emp_no, title_no, from_date and to_date.
- Titles table to list all possible titles with a column id as primary key to reference.

1. Department values:

```
MariaDB [employees_db]> INSERT INTO `departments` VALUES
    -> ('d001','Marketing'),
    -> ('d002','Finance'),
    -> ('d003','Human Resources'),
    -> ('d004','Production'),
    -> ('d005','Development'),
    -> ('d006','Quality Management'),
    -> ('d007','Sales'),
    -> ('d008','Research'),
    -> ('d009','Customer Service');
Query OK, 9 rows affected (0.004 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

2. Employees values:

3. Titles table:

```
MariaDB [employees_db]> INSERT INTO 'titles' VALUES
    -> ('t001','Staff'),
    -> ('t002','Senior Engineer'),
    -> ('t003','Engineer'),
    -> ('t004','Senior Staff'),
    -> ('t005','Assistant Engineer');
Query OK, 5 rows affected (0.004 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

4. Emp title table:

```
MariaDB [employees_db]> INSERT INTO `emp_title` VALUES
    -> (10001,'t002','1986-06-26','9999-01-01'),
    -> (10002,'t001','1996-08-03','9999-01-01'),
    -> (10003,'t002','1995-12-03','9999-01-01'),
    -> (10004,'t003','1986-12-01','1995-12-01'),
    -> (10004,'t002','1995-12-01','9999-01-01'),
    -> (10005,'t004','1996-09-12','9999-01-01'),
    -> (10006,'t002','1990-08-05','9999-01-01'),
    -> (10007,'t004','1996-02-11','9999-01-01'),
    -> (10007,'t001','1989-02-10','1996-02-11'),
    -> (10008,'t005','1998-03-11','2000-07-31');
Query OK, 11 rows affected (0.007 sec)
Records: 11 Duplicates: 0 Warnings: 0
```

5. Dept_emp table:

```
MariaDB [employees_db]> INSERT INTO `dept_emp` VALUES
    -> (10001,'d005','1986-06-26','9999-01-01'),
    -> (10002,'d007','1996-08-03','9999-01-01'),
    -> (10003,'d004','1995-12-03','9999-01-01'),
    -> (10004,'d004','1986-12-01','9999-01-01'),
    -> (10005,'d003','1989-09-12','9999-01-01'),
    -> (10006,'d005','1990-08-05','9999-01-01'),
    -> (10014,'d005','1993-12-29','9999-01-01');
Query OK, 7 rows affected (0.007 sec)
Records: 7 Duplicates: 0 Warnings: 0
```

6. Dept_manager table:

```
MariaDB [employees_db]> INSERT INTO `dept_manager` VALUES
    -> (10013,'d001','1985-01-01','1991-10-01'),
    -> (10001,'d001','1991-10-01','9999-01-01'),
    -> (10002,'d002','1985-01-01','1989-12-17'),
    -> (10008,'d002','1989-12-17','9999-01-01'),
    -> (10012,'d003','1985-01-01','1992-03-21'),
    -> (10011,'d003','1992-03-21','9999-01-01'),
    -> (10014,'d004','1985-01-01','1988-09-09'),
    -> (10003,'d004','1988-09-09','1992-08-02');
Query OK, 8 rows affected (0.007 sec)
Records: 8 Duplicates: 0 Warnings: 0
```

7. Salaries table:

```
MariaDB [employees_db]> INSERT INTO `salaries` VALUES
    -> (10001,60117,'1986-06-26',
                                  '1987-06-26').
                                  '1988-06-25'),
    -> (10001,62102,'1987-06-26'
    -> (10002,66074,'1988-06-25',
                                  '1989-06-25'),
    -> (10003,66596,'1989-06-25'
                                  '1990-06-25'),
    -> (10004,66961,'1990-06-25'
                                  '1991-06-25')
    -> (10005,71046,'1991-06-25'
                                  '1992-06-24'),
    -> (10006,74333,'1992-06-24'
                                  '1993-06-24').
    -> (10007,75286,'1993-06-24'
                                  '1994-06-24'),
    -> (10008,75994,'1994-06-24'
                                  '1995-06-24');
Query OK, 9 rows affected (0.003 sec)
Records: 9 Duplicates: 0 Warnings: 0
```

Creating the queries:

1. Create a SQL statement to list all managers and their titles.

I decide to select first from the dept_manager table to make sure that we capture all employees registered as managers.

I add a where statement to select only <u>current</u> managers.

I use LEFT JOIN to make sure that I also include managers for whom I have missing title data. I then know they manage a department, even if I don't know their title.

```
MariaDB [employees_db]> SELECT
           dm.emp_no,
           e.first_name,
           e.last_name,
           t.title
    -> FROM dept_manager dm
    -> INNER JOIN employees e ON dm.emp_no = e.emp_no
    -> LEFT JOIN emp_title et ON dm.emp_no = et.emp_no
    -> LEFT JOIN titles t ON et.title_no = t.title_no
    -> WHERE dm.to_date = '9999-01-01';
           first_name |
                       last_name
                                     title
                        Facello
                                     Senior Engineer
   10001
           Georgi
   10008
           Saniya
                        Kalloufi
                                     Assistant Engineer
   10011
           Mary
                        Sluis
                                     NULL
3 rows in set (0.001 sec)
```

2. Create a SQL statement to show the salary of all employees and their department name.

Here I start from the employee table to make sure I include the employees for which I do not have a salary or a department. I run into duplicates so I select the most recent salary. I format the salary for easier reading

```
MariaDB [employees_db]> SELECT

-> e.emp_no,

-> e.first_name,

-> e.last_name,

-> d.dept_name,

-> CASE

-> WHEN s.salary IS NULL THEN NULL

-> ELSE CONCAT(FORMAT(s.salary, 2), 'GBP')

-> END AS formatted_salary

-> FROM

-> employees e

-> LEFT JOIN (

-> SELECT

-> emp_no,

-> MAX(to_date) AS max_to_date

-> FROM

-> salaries

-> GROUP BY

-> emp_no) max_salaries ON e.emp_no = max_salaries.emp_no

-> LEFT JOIN salaries s ON max_salaries.emp_no = s.emp_no AND max_salaries.max_to_date = s.to_date

-> LEFT JOIN dept_emp de ON e.emp_no = d.dept_no;
```

+	+ emp_no 	first_name	+ last_name +	+ dept_name +	 formatted_salary 	
į	10001	Georgi	Facello	Development	62,102.00 GBP	
ı	10002	Bezalel	Simmel	Sales	66,074.00 GBP	
	10003	Parto	Bamford	Production	66,596.00 GBP	
	10004	Chirstian	Koblick	Production	66,961.00 GBP	
	10005	Kyoichi	Maliniak	Human Resources	71,046.00 GBP	
	10006	Anneke	Preusig	Development	74,333.00 GBP	
1	10007	Tzvetan	Zielinski	NULL	75,286.00 GBP	
1	10008	Saniya	Kalloufi	NULL	75,994.00 GBP	
	10009	Sumant	Peac	NULL	NULL	
	10010	Duangkaew	Piveteau	NULL	NULL	
	10011	Mary	Sluis	NULL	NULL	
	10012	Patricio	Bridgland	NULL	NULL	
Ĺ	10013	Eberhardt	Terkki	NULL	NULL	
İ	10014	Berni	Genin	Development	NULL	
1	++					

3. Create a SQL statement to show the hire date and birth date who belongs to HR department

In this statement, I start from the dept_emp table to make sure that the employee is registered in a department. I then join to both department and employee tables with a where clause to select only those in the HR department.

4. Create a SQL statement to show all departments and their department's managers.

Here we start by concatenating the names and ordering departments for ease of reading. We use a left join to make sure we have all the departments, even if no manager. We then make sure we select the most recent/current manager for each department

```
MariaDB [employees_db] > SELECT
           d.dept_name AS Department,
           CONCAT(m.first_name, ' ', m.last_name) AS Manager
    ->
    -> FROM
    ->
           departments d
    -> LEFT JOIN (SELECT
           dm.dept_no,
           dm.emp_no,
           e.first_name,
           e.last_name
    -> FROM
           dept_manager dm
    -> INNER JOIN employees e ON dm.emp_no = e.emp_no
    -> WHERE
           dm.to_date = (
           SELECT
    ->
           MAX(dm2.to_date)
           FROM
           dept_manager dm2
    ->
           WHERE dm2.dept_no = dm.dept_no)
           ) m ON d.dept_no = m.dept_no
    -> ORDER BY d.dept_name;
  Department
                        Manager
 Customer Service
                        NULL
 Development
                        NULL
                        Saniya Kalloufi
 Finance
                        Mary Sluis
 Human Resources
                       Georgi Facello
 Marketing
                        Parto Bamford
  Production
  Quality Management
                        NULL
  Research
                        NULL
  Sales
                        NULL
9 rows in set (0.001 sec)
```

5. Create a SQL statement to show a list of HR's employees who were hired after 1986

Here we start from the dept_emp table to make sure we have all registered HR employees. We then use left join to ensure we cover potential missing data in related tables. We change the column headers for ease of reading.

6. Create a SQL statement to increase any employee's salary up to 2%. Assume the employee has just phoned in with his/her last name.

In this scenario:

- First I calculate the new salary. I must make sure I add 2% to the employee's most recent salary.
- Then I create a new record in the salaries table.
- Then I update the old salary. We decide to go with the employee called Maliniak:

```
MariaDB [employees_db]> INSERT INTO salaries (emp_no, salary, from_date, to_date)
    -> SELECT
           e.emp_no,
    ->
           s.salary * 1.02 AS new_salary,
    ->
           CURRENT_DATE() AS from_date,
           '9999-01-01' AS to_date
           employees e
    -> INNER JOIN
           salaries s ON e.emp_no = s.emp_no
    -> WHFRF
           e.last_name = 'Maliniak'
           AND s.from_date = (
    ->
               SELECT MAX(from_date)
               FROM salaries
    ->
               WHERE emp_no = e.emp_no
    ->
Query OK, 1 row affected (0.004 sec)
Records: 1 Duplicates: 0 Warnings: 0
```

Now a quick check to make sure our new salary is added:

```
MariaDB [employees_db] > SELECT
           e.emp_no AS emp_no,
        CONCAT(e.first_name,
                              ' ', e.last_name) AS Employee,
    ->
           s.salary AS Salary,
    ->
        s.from_date AS Since,
        s.to_date AS Until
    -> FROM
           employees e
    ->
    -> INNER JOIN
           salaries s ON e.emp_no = s.emp_no
    -> WHERE
           e.last_name = 'Maliniak';
           Employee
                               Salary
                                        Since
                                                      Until
  emp_no
           Kyoichi Maliniak
   10005
                                71046
                                        1991-06-25
                                                      1992-06-24
   10005
           Kyoichi Maliniak
                                72467
                                        2024-02-11
                                                      9999-01-01
  rows in set (0.001 sec)
```

And now, we must make sure to update the old salary. In our example the employee did not have his current salary and only had one salary entered so we didn't encounter problem. But if

an employee has a current salary (to_date '9999-01-01) then we must change it to current date for consistency.

```
MariaDB [employees_db]> UPDATE salaries
    -> SET to_date = CURRENT_DATE()
    -> WHERE emp_no = (SELECT emp_no FROM employees WHERE last_name = 'Maliniak')
    -> AND to_date = '9999-01-01'
    -> AND from_date != CURRENT_DATE();
Query OK, 0 rows affected (0.001 sec)
Rows matched: 0 Changed: 0 Warnings: 0
```

7. Create a SQL statement to delete employee's record who belongs to marketing department and name start with A

Instead of deleting straight away, I create the query to select the same sample of employees. I can then check that the query works. Then I only need to replace SELECT by DELETE and it will perform the deletion on exactly the same selection.

```
MariaDB [employees_db]> SELECT e.*
    -> FROM employees e
    -> INNER JOIN dept_emp de ON e.emp_no = de.emp_no
    -> INNER JOIN departments d ON de.dept_no = d.dept_no
    -> WHERE d.dept_name = 'Marketing'
    -> AND e.first_name LIKE 'A%';
Empty set (0.001 sec)
```

8. Create a database view to list the full names of all departments' managers, and their salaries

After querying the data, it appears that we do not have a list where we have all current department managers with all their current salaries. I have decided to provide a view of all the current managers, their department, and the relevant salary information (amount, and to date to understand if this is their current or an old salary).

```
MariaDB [employees_db]> CREATE VIEW current_managers AS
    -> SELECT
            d.dept_name AS Department,
CONCAT(e.first_name, ' ', e.last_name) AS 'Current Manager',
ms.max_salary AS 'Latest Salary',
    ->
            s.to_date AS 'Salary until'
    -> FROM
            departments d
    -> INNER JOIN dept_manager dm ON d.dept_no = dm.dept_no AND dm.to_date = '9999-01-01'
    -> INNER JOIN employees e ON dm.emp_no = e.emp_no
    -> LEFT JOIN
    ->
            (
                 SELECT
    ->
                     emp_no,
MAX(salary) AS max_salary
                 FROM
                     salaries
    ->
                 GROUP BY
                     emp_no
           ) AS ms ON e.emp_no = ms.emp_no
    -> LEFT JOIN salaries s ON e.emp_no = s.emp_no AND s.salary = ms.max_salary;
Query OK, 0 rows affected (0.004 sec)
```

Create a database view to list all departments and their department's managers, who were hired between 1980 and 1990

I decide to go for all the manager names, grouped by department with the hire date between 1980-01-01 and 1989-12-31

```
MariaDB [employees_db]> CREATE VIEW manager_hired_1980_1990 AS

-> SELECT

-> d.dept_name AS Department,

-> GROUP_CONCAT(conCAT(e.first_name, ' ', e.last_name) ORDER BY e.first_name, e.last_name) AS Managers,

-> GROUP_CONCAT(e.hire_date ORDER BY e.first_name, e.last_name) AS 'Hire date'

-> FROM

-> departments d

-> INNER JOIN dept_manager dm ON d.dept_no = dm.dept_no

-> INNER JOIN employees e ON dm.emp_no = e.emp_no

-> WHERE e.hire_date BETWEEN '1980-01-01' AND '1989-12-31'

-> GROUP BY Department;

Query OK, 0 rows affected (0.005 sec)
```

Create a SQL statement to increase salaries of all department's managers up to 10% who are working since 1990

Since we do not have the current salary of the current manager, I have decided to select the current manager and their latest known salary to increase it by 10% if they don't have a current one. I then create new records in the salaries table to reflect the increase.

```
MariaDB [employees_db] > INSERT INTO salaries (emp_no, salary, from_date, to_date)
    -> SELECT
    ->
           dm.emp_no,
           ROUND(s.salary * 1.1, 2),
    ->
           CURDATE(),
    ->
    ->
    -> FROM
    ->
           dept_manager dm
    -> INNER JOIN
           salaries s ON dm.emp_no = s.emp_no
    -> WHERE
           s.to_date = '9999-01-01' OR
    ->
           s.to_date = (
    ->
               SELECT MAX(to_date)
    ->
               FROM salaries
               WHERE emp_no = dm.emp_no
    ->
    ->
Query OK, 4 rows affected (0.005 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

Quick query to see the changes:

```
MariaDB [employees_db]> SELECT
           e.emp_no,
           CONCAT(e.first_name, ' ', e.last_name) AS manager_name,
    ->
           s.salary,
    ->
           s.from_date,
    ->
           s.to_date
    ->
    -> FROM
           employees e
    -> INNER JOIN dept_manager dm ON e.emp_no = dm.emp_no
    -> INNER JOIN salaries s ON e.emp_no = s.emp_no;
                                       from_date
 emp_no
           manager_name
                              salary
                                                     to_date
   10001
           Georgi Facello
                               60117
                                       1986-06-26
                                                     1987-06-26
           Georgi Facello
   10001
                               62102
                                       1987-06-26
                                                     1988-06-25
           Georgi Facello
   10001
                               68312
                                        2024-02-11
                                                     9999-01-01
           Bezalel Simmel
                               66074
                                       1988-06-25
   10002
                                                     1989-06-25
           Bezalel Simmel
   10002
                               72681
                                        2024-02-11
                                                     9999-01-01
           Parto Bamford
                               66596
   10003
                                       1989-06-25
                                                     1990-06-25
           Parto Bamford
                               73256
   10003
                                       2024-02-11
                                                     9999-01-01
   10008
           Saniya Kalloufi
                               75994
                                       1994-06-24
                                                     1995-06-24
   10008 | Saniva Kalloufi
                               83593
                                        2024-02-11
                                                     9999-01-01
9 rows in set (0.001 sec)
```