



Instructions: Using a text editor of your choice, write the queries that accomplish the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your Java project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

Using the employees database you installed, write SQL queries that do the following (the SQL queries you write are what you will turn in for your homework):

1. Show all employees who were born before 1965-01-01

```
[mysql> SELECT * FROM employees WHERE birth_date < 19650101 LIMIT 3;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10001 | 1953-09-02 | Georgi | Facello | M | 1986-06-26 |
| 10002 | 1964-06-02 | Bezalel | Simmel | F | 1985-11-21 |
| 10003 | 1959-12-03 | Parto | Bamford | M | 1986-08-28 |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

2. Show all employees who are female and were hired after 1990

```
[mysql> SELECT * FROM employees WHERE (gender = 'F' AND hire_date > 1990) LIMIT 3;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 53 | 2001-04-25 | daisy | duck | F | 2017-05-01 |
| 10002 | 1964-06-02 | Bezalel | Simmel | F | 1985-11-21 |
| 10006 | 1953-04-20 | Anneke | Preusig | F | 1989-06-02 |
+-----+-----+-----+-----+-----+-----+
3 rows in set, 1 warning (0.00 sec)
```

3. Show the first and last name of the first 50 employees whose last name starts with F



```
mysql> SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;
```

first_name	last_name
Georgi	Facello
Shahaf	Famili
Somnath	Foote
Sudharsan	Flasterstein
Armond	Fairtlough
Ewing	Foong
Sumali	Fargier
Badri	Furudate
Arve	Fairtlough
Mohua	Falck
Pranav	Furedi
Kish	Fasbender
Foong	Flasterstein
Roded	Facello
Clyde	Fandrianto
Anneli	Erinda

4. Insert 3 new employees into the employees table. There emp_no should be 100, 101, and 102. You can choose the rest of the data.

```
mysql> INSERT INTO employees (emp_no, birth_date, first_name, last_name, gender, hire_date) VALUES (100, 2000-01-01, 'Bob', 'Builder', 'M', 2020-07-03), (101, 2002-01-01, 'Sally', 'Mae', 'F', 2020-07-04), (102, 2003-01-01, 'Noah', 'Ev', 'M', 2020-11-03);
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM employees WHERE emp_no = 100 OR emp_no = 101 OR emp_no = 102;
+----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+----+-----+-----+-----+-----+-----+
| 100 | 2000-01-01 | Bob | Builder | M | 2020-07-03 |
| 101 | 2002-01-01 | Sally | Mae | F | 2020-07-04 |
| 102 | 2003-01-01 | Noah | Ev | M | 2020-11-03 |
+----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)

mysql>
```

5. Change the employee's first name to Bob for the employee with the emp_no of 10023.



**GATEWAY
COMMUNITY COLLEGE**

A MARICOPA COMMUNITY COLLEGE

```
[mysql> SELECT * FROM employees WHERE emp_no=10023;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10023 | 1953-09-29 | Bojan      | Montemayor | F      | 1989-12-17 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

[mysql> UPDATE employees SET first_name = 'Bob' WHERE emp_no=10023;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

[mysql> SELECT * FROM employees WHERE emp_no=10023;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10023 | 1953-09-29 | Bob        | Montemayor | F      | 1989-12-17 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> █
```

6. Change all employees hire dates to 2002-01-01 whose first or last names start with P.



```
mysql> SELECT * FROM employees WHERE (first_name LIKE 'P%' OR last_name LIKE 'P%') LIMIT 20;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10003 | 1959-12-03 | Parto | Bamford | M | 1986-08-28 |
| 10006 | 1953-04-20 | Anneke | Preusig | F | 1989-06-02 |
| 10009 | 1952-04-19 | Sumant | Peac | F | 1985-02-18 |
| 10010 | 1963-06-01 | Duangkaew | Piveteau | F | 1989-08-24 |
| 10012 | 1960-10-04 | Patricio | Bridgland | M | 1992-12-18 |
| 10018 | 1954-06-19 | Kazuhide | Peha | F | 1987-04-03 |
| 10024 | 1958-09-05 | Suzette | Pettey | F | 1997-05-19 |
| 10025 | 1958-10-31 | Prasadram | Heyers | M | 1987-08-17 |
| 10036 | 1959-08-10 | Adamantios | Portugali | M | 1992-01-03 |
| 10037 | 1963-07-22 | Pradeep | Makrucki | M | 1990-12-05 |
| 10062 | 1961-11-02 | Anooosh | Peyn | M | 1991-08-30 |
| 10080 | 1957-12-03 | Premal | Baek | M | 1985-11-19 |
| 10082 | 1963-09-09 | Parviz | Lortz | M | 1990-01-03 |
| 10101 | 1952-04-15 | Perla | Heyers | F | 1992-12-28 |
| 10102 | 1959-11-04 | Paraskevi | Luby | F | 1994-01-26 |
| 10105 | 1962-02-05 | Hironoby | Piveteau | M | 1999-03-23 |
| 10109 | 1958-11-25 | Mariusz | Prampolini | F | 1993-06-16 |
| 10119 | 1960-12-01 | Domenick | Peltason | M | 1986-03-14 |
| 10129 | 1955-12-02 | Armond | Peir | M | 1985-12-10 |
| 10136 | 1961-09-14 | Zissis | Pintelas | M | 1986-02-11 |
+-----+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> UPDATE employees SET hire_date = 20020101 WHERE (first_name LIKE 'P%' OR last_name LIKE 'P%') LIMIT 20;
Query OK, 20 rows affected (0.00 sec)
Rows matched: 20 Changed: 20 Warnings: 0

mysql> SELECT * FROM employees WHERE (first_name LIKE 'P%' OR last_name LIKE 'P%') LIMIT 20;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10003 | 1959-12-03 | Parto | Bamford | M | 2002-01-01 |
| 10006 | 1953-04-20 | Anneke | Preusig | F | 2002-01-01 |
| 10009 | 1952-04-19 | Sumant | Peac | F | 2002-01-01 |
| 10010 | 1963-06-01 | Duangkaew | Piveteau | F | 2002-01-01 |
| 10012 | 1960-10-04 | Patricio | Bridgland | M | 2002-01-01 |
| 10018 | 1954-06-19 | Kazuhide | Peha | F | 2002-01-01 |
| 10024 | 1958-09-05 | Suzette | Pettey | F | 2002-01-01 |
| 10025 | 1958-10-31 | Prasadram | Heyers | M | 2002-01-01 |
| 10036 | 1959-08-10 | Adamantios | Portugali | M | 2002-01-01 |
| 10037 | 1963-07-22 | Pradeep | Makrucki | M | 2002-01-01 |
| 10062 | 1961-11-02 | Anooosh | Peyn | M | 2002-01-01 |
| 10080 | 1957-12-03 | Premal | Baek | M | 2002-01-01 |
| 10082 | 1963-09-09 | Parviz | Lortz | M | 2002-01-01 |
| 10101 | 1952-04-15 | Perla | Heyers | F | 2002-01-01 |
| 10102 | 1959-11-04 | Paraskevi | Luby | F | 2002-01-01 |
| 10105 | 1962-02-05 | Hironoby | Piveteau | M | 2002-01-01 |
| 10109 | 1958-11-25 | Mariusz | Prampolini | F | 2002-01-01 |
| 10119 | 1960-12-01 | Domenick | Peltason | M | 2002-01-01 |
| 10129 | 1955-12-02 | Armond | Peir | M | 2002-01-01 |
| 10136 | 1961-09-14 | Zissis | Pintelas | M | 2002-01-01 |
+-----+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> █
```



7. Delete all employees who have an emp_no less than 10000

```
[mysql> SELECT * FROM employees WHERE emp_no < 10000;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
|      51 | 2000-04-13 | bob       | builder   | M      | 2011-05-03 |
|      53 | 2001-04-25 | daisy     | duck      | F      | 2017-05-01 |
|      55 | 2000-04-13 | bob       | builder   | M      | 2011-05-03 |
|     100 | 2000-01-01 | Bob       | Builder   | M      | 2020-07-03 |
|     101 | 2002-01-01 | Sally     | Mae       | F      | 2020-07-04 |
|     102 | 2003-01-01 | Noah      | Ev        | M      | 2020-11-03 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

[mysql> DELETE FROM employees WHERE emp_no <10000;
Query OK, 6 rows affected (0.02 sec)

[mysql> SELECT * FROM employees WHERE emp_no < 10000;
Empty set (0.00 sec)

mysql> █
```

8. Delete all employee who have an emp_no of 10048, 10099, 10234, and 20089.

```
[mysql> SELECT * FROM employees WHERE emp_no = 10048 OR emp_no = 10099 OR emp_no = 10234 OR emp_no = 20089;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
|  10048 | 1963-07-11 | Florian    | Syrotiuk  | M      | 1985-02-24 |
|  10099 | 1956-05-25 | Valter     | Sullins   | F      | 1988-10-18 |
|  10234 | 1961-01-18 | Arunachalam | Bakhtari  | M      | 1990-11-19 |
|  20089 | 1953-11-29 | Unal       | Merli     | M      | 1991-12-14 |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

[mysql> DELETE FROM employees WHERE emp_no = 10048 OR emp_no = 10099 OR emp_no = 10234 OR emp_no = 20089;
Query OK, 4 rows affected (0.02 sec)

[mysql> SELECT * FROM employees WHERE emp_no = 10048 OR emp_no = 10099 OR emp_no = 10234 OR emp_no = 20089;
Empty set (0.00 sec)

mysql> █
```



Screenshots of Queries:

Screenshots of Query Results (only include the last 20 rows):

URL to GitHub Repository: https://github.com/daisymdev/week_7_assignment