Relational Databases with MySQL Week 7 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: Using a text editor of your choice, write the queries that accomplishes 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 to the repository. Additionally, push an .sql file with all your queries to the same 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

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

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

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.

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

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

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

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

Screenshots of Queries:

1.

```
1 ●   USE employees;
2 ●   SELECT * FROM employees WHERE birth_date = '1965-01-01';
```

2.

```
3 ●   SELECT * FROM employees WHERE gender = 'F' AND hire_date > '1990-12-31';
```

3.

```
4 ●   SELECT first_name, last_name FROM employees WHERE last_name LIKE ('F%') LIMIT 50;
```

4.

```
5 ●   INSERT INTO employees(emp_no, birth_date, first_name, last_name, gender, hire_date)
6         VALUES (100, '1992-04-16', 'George', 'Warsaw', 'M', '2012-08-10'),
7         (101, '1995-09-21', 'Maria', 'Bonito', 'F', '2014-11-02'),
8         (102, '1989-06-18', 'Candice', 'Yair', 'F', '2012-08-10');
```

5.

```
9 ●   UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
```

6.

```
10 ●  SET SQL_SAFE_UPDATES = 0;
11 ●  UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE ('P%') OR last_name LIKE ('P%');
12 ●  SET SQL_SAFE_UPDATES = 1;
```

7.

```
13 ●   DELETE FROM employees WHERE emp_no < 10000;
```

8.

```
14 ●   DELETE FROM employees WHERE emp_no in (10048, 10099, 10234, 20089);
```

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

1.

emp_no	birth_date	first_name	last_name	gender	hire_date
10476	1965-01-01	Kokou	Iisaka	M	1987-09-20
21546	1965-01-01	Yongmin	Lanteri	F	1988-02-16
22926	1965-01-01	Manibrata	Genther	M	1987-05-19
31341	1965-01-01	Oksana	Zultner	M	1991-03-23
35793	1965-01-01	Oscar	Kusalik	M	1991-05-11
36844	1965-01-01	Hailing	Levergood	M	1999-07-21
39341	1965-01-01	Mahmut	Lampe	F	1985-05-11
40765	1965-01-01	Michaela	Ramsak	F	1991-01-19
54198	1965-01-01	Shaowen	Segond	M	1986-01-06
61377	1965-01-01	Dannz	Ohori	M	1988-01-18
62245	1965-01-01	Adel	Bressoud	F	1987-10-20
71685	1965-01-01	Kristinn	Olano	F	1988-04-24
74668	1965-01-01	Masako	Bonifati	F	1987-04-09
86655	1965-01-01	Zhenhua	Lorys	F	1990-04-29
90084	1965-01-01	Renny	Bale	M	1989-11-22
91229	1965-01-01	Yahiko	Hebden	M	1985-07-16
92443	1965-01-01	Girolamo	Bellmore	F	1991-12-09
94416	1965-01-01	Aran	Cesareni	F	1989-08-04
105191	1965-01-01	Jaber	Kleiser	M	1986-12-13
105342	1965-01-01	Kwun	Reeker	F	1997-01-20
NULL	NULL	NULL	NULL	NULL	NULL

4 14:09:39 SELECT * FROM employees WHERE birth_date = '1965-01-01' LIMIT 0, 1000   61 row(s) returned

2.

emp_no	birth_date	first_name	last_name	gender	hire_date
10017	1958-07-06	Cristinel	Bouloucos	F	1993-08-03
10024	1958-09-05	Suzette	Pettey	F	1997-05-19
10040	1959-09-13	Weiyi	Meriste	F	1993-02-14
10042	1956-02-26	Magy	Stamatiou	F	1993-03-21
10044	1961-09-21	Mingsen	Casley	F	1994-05-21
10049	1961-04-24	Basil	Tramer	F	1992-05-04
10057	1954-05-30	Ebbe	Callaway	F	1992-01-15
10059	1953-09-19	Alejandro	McAlpine	F	1991-06-26
10101	1952-04-15	Perla	Heyers	F	1992-12-28
10102	1959-11-04	Paraskevi	Luby	F	1994-01-26
10107	1956-06-13	Dung	Baca	F	1994-03-22
10109	1958-11-25	Mariusz	Prampolini	F	1993-06-16
10114	1957-02-16	Munir	Demeyer	F	1992-07-17
10120	1960-03-26	Armond	Fairtlough	F	1996-07-06
10139	1963-03-03	Ewing	Foong	F	1998-03-15
10140	1957-03-11	Yucel	Auria	F	1991-03-14
10141	1960-01-17	Shahaf	Ishibashi	F	1993-05-06
10166	1953-05-10	Samphel	Siegrist	F	1993-01-01
10169	1961-05-03	Sampalli	Snedden	F	1992-07-24
10172	1957-03-25	Shigeu	Matzen	F	1995-10-13

3.

	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	Frijda
	Masoud	Fabrizio
	Przemysla...	Falby
	Hisao	Famili
	Lalit	Francisci

4.

	emp_no	birth_date	first_name	last_name	gender	hire_date
▶	100	1992-04-16	George	Warsaw	M	2012-08-10
	101	1995-09-21	Maria	Bonito	F	2014-11-02
	102	1989-06-18	Candice	Yair	F	2012-08-10

5.

	emp_no	birth_date	first_name	last_name	gender	hire_date
▶	10023	1953-09-29	Bob	Montemayor	F	1989-12-17

6.

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	Anoosh	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

✓ 39 14:45:50 UPDATE employees SET hire_date = '2002-01-01' WHERE first_n...   31566 row(s) affected Rows matched: 31566 Changed: 3156...

7.

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	2002-01-01
10004	1954-05-01	Chirstian	Koblick	M	1986-12-01
10005	1955-01-21	Kyoichi	Maliniak	M	1989-09-12
10006	1953-04-20	Anneke	Preusig	F	2002-01-01
10007	1957-05-23	Tzvetan	Zielinski	F	1989-02-10
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	2002-01-01
10010	1963-06-01	Duangkaew	Piveteau	F	2002-01-01
10011	1953-11-07	Mary	Sluis	F	1990-01-22
10012	1960-10-04	Patricio	Bridgland	M	2002-01-01
10013	1963-06-07	Eberhardt	Terkki	M	1985-10-20
10014	1956-02-12	Berni	Genin	M	1987-03-11
10015	1959-08-19	Guoxiang	Nooteboom	M	1987-07-02
10016	1961-05-02	Kazuhito	Cappelletti	M	1995-01-27
10017	1958-07-06	Cristinel	Bouloucos	F	1993-08-03
10018	1954-06-19	Kazuhide	Peha	F	2002-01-01
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26

✓ 45 14:48:47 DELETE FROM employees WHERE emp_no < 10000   3 row(s) affected

8.

	56	14:58:58	DELETE FROM employees WHERE emp_no in (10048, 10099, 10234, 20089)	4 row(s) affected
	58	14:59:38	SELECT * FROM employees WHERE emp_no in (10048, 10099, 10234, 20089) LIMIT 0, 1000	0 row(s) returned

URL to GitHub Repository:

https://github.com/tylerjlivermore/Week7_IntroToMySQLQueries