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 •    SELECT * FROM employees WHERE birth_date < '1965-01-01';
2
3 •    SELECT * FROM employees WHERE gender = 'f' AND hire_date >= '1990-01-01';
4
5 •    SELECT first_name, last_name FROM employees WHERE last_name LIKE 'f%' LIMIT 50;
6
7 •    INSERT INTO employees VALUES(100, '1974-05-24','David','Whitaker','M','2022-04-08');
8
9 •    INSERT INTO employees VALUES(101, '1959-10-27','Malin','Bowles','F','1989-06-01');
10
11 •   INSERT INTO employees VALUES(102,'1962-02-05','Reginald','Leonas','M','1984-11-25');
12
13 •   UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
14
15 •   UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' OR last_name LIKE 'p%';
16
17 •   DELETE FROM employees WHERE emp_no < 10000;
18
19 •   DELETE FROM employees WHERE emp_no IN(10048, 10099, 10234, 20089);
```

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

Step 1:

10993	1958-11-17	Arve	Erde	F	1992-05-29
10994	1961-06-17	Divine	Aingworth	M	1987-06-29
10995	1963-02-26	Chenye	Hertweck	F	1997-07-19
10996	1955-02-01	Matk	Rahimi	F	1990-02-07
10997	1959-08-30	Alselm	Parascan...	F	2002-01-01
10998	1956-02-17	Marlo	Kandlur	M	1992-06-28
10999	1961-12-04	Insup	Benveniste	F	1996-03-05
11000	1960-09-12	Alain	Bonifati	M	1988-08-20
11001	1956-04-16	Baziley	Buchter	F	1987-02-23
11002	1952-02-26	Bluma	Ulupinar	M	1996-12-23
11003	1960-11-13	Mariangiola	Gulla	M	1987-05-24
11004	1954-08-05	JoAnna	Decleir	F	1992-01-19
11005	1958-03-12	Byong	Douceur	F	1986-07-27
11006	1962-12-26	Christoper	Butterworth	F	1989-08-02
11007	1962-03-16	Olivera	Maccarone	M	1991-04-11
11008	1962-07-11	Gennady	Menhoudj	M	1988-09-18
11009	1954-08-30	Alper	Axelband	F	1986-09-09
11010	1963-03-20	Jaques	Narwekar	F	1986-12-18
11011	1956-06-13	Moti	Hofstetter	M	1989-11-06
11012	1953-09-12	Taegyun	Speckmann	F	1986-12-28

Step 2:

14575	1959-07-09	Aluzio	Anick	F	1993-04-24
14577	1953-03-10	Shawna	Harbusch	F	1991-06-29
14583	1961-03-15	Duke	Senzako	F	1991-07-02
14584	1964-06-11	Oldrich	Undy	F	1997-06-07
14592	1964-03-31	Paddy	Keohane	F	2002-01-01
14596	1961-11-02	Vesna	Khamsi	F	1992-12-23
14601	1961-01-18	Cedric	Soicher	F	1994-09-30
14604	1962-03-22	Paloma	Hammers...	F	2002-01-01
14616	1957-07-29	Kokou	Rouquie	F	1996-03-25
14617	1963-10-22	Tse	Parfitt	F	2002-01-01
14622	1954-10-25	Jixiang	Lung	F	1993-07-14
14623	1955-09-09	Gina	Savasere	F	1990-06-15
14625	1958-01-29	Kitty	Szemeredi	F	1997-03-06
14628	1962-05-24	Pranjal	Vandervo...	F	2002-01-01
14644	1956-11-27	Yefim	Oxman	F	1992-05-13
14660	1958-02-03	Geoffrey	Bugaenko	F	1995-07-21
14664	1957-06-20	Stafford	Lores	F	1990-03-21
14665	1955-11-09	Honesty	Brlek	F	1995-05-12
14667	1955-04-13	Khatoun	Slutz	F	1992-11-29
14668	1952-03-07	Weicheng	Covnot	F	1992-08-10

Step 3:

Oscal	Fasbender
Morris	Famili
Aleksander	Fioravanti
Chiradeep	Furedi
Shin	Foote
Deniz	Fontan
Nathan	Flowers
Tse	Felcyn
Tadahiro	Fordan
Sahrah	Figueira
Dayanand	Figueira
Kwangjo	Fiebach
Gina	Falster
Bernice	Felcyn
Sreenivas	Farrag
Lillian	Fontet
Ult	Farrar
Heping	Fontan
Xiong	Ferriere
Kasturi	Fraisse

Step 4:

100	1974-05-24	David	Whitaker	M	2022-04-08
101	1959-10-27	Malin	Bowles	F	1989-06-01
102	1962-02-05	Reginald	Leonas	M	1984-11-25

Step 5: 10023   1953-09-29   Bob   Montemayor   F   1989-12-17

Step 6:

19197	1960-07-13	Licheng	Papsdorf	F	2002-01-01
19206	1954-11-25	Wanqing	Pellegrinelli	F	2002-01-01
19214	1956-03-29	Patricia	Gulla	M	2002-01-01
19222	1953-07-16	Kazuyasu	Perz	M	2002-01-01
19227	1959-01-09	Subbu	Passafiume	F	2002-01-01
19259	1955-02-22	Anoosh	Pelc	F	2002-01-01
19268	1955-09-14	Adit	Papasta…	M	2002-01-01
19281	1961-07-26	Jeanna	Pulkowski	M	2002-01-01
19306	1954-04-03	Debatosh	Pagter	M	2002-01-01
19308	1962-11-14	Premal	Stamatiou	M	2002-01-01
19320	1958-09-22	Rosella	Poulakidas	F	2002-01-01
19334	1962-12-31	Pascal	Shimshoni	F	2002-01-01
19340	1958-10-19	Chenxi	Percebois	M	2002-01-01
19342	1964-05-04	Yonghoan	Pietrzyko…	F	2002-01-01
19351	1961-08-15	Sivanaray…	Pardalos	M	2002-01-01
19356	1953-07-01	Masato	Prenel	F	2002-01-01
19357	1956-08-20	Tadahiro	Peha	F	2002-01-01
19358	1963-09-17	Phule	Deverell	F	2002-01-01
19363	1960-09-18	Prasadram	Toyoshima	F	2002-01-01
19365	1960-01-26	Poornacha…	Litecky	F	2002-01-01

Step 7(Deleted emp_no under 10000):

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

Step 8(Deleted all employee who have an emp_no of 10048, 10099, 10234, and 20089):

10047	1952-06-29	Zvonko	Nyanchama	M	1989-03-31
10049	1961-04-24	Basil	Tramer	F	1992-05-04
10098	1961-09-23	Sreekrishna	Servieres	F	1985-05-13
10100	1953-04-21	Hironobu	Haraldson	F	1987-09-21
10233	1954-04-01	Lein	Vendrig	F	1985-07-05
10235	1958-03-27	Susanta	Roccetti	F	1995-04-06
20088	1964-03-29	Hugh	Panienski	M	2002-01-01
20090	1957-05-20	Serenella	Kaltofen	F	1986-06-24

URL to GitHub Repository: