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:

```
2 •    select * from employees where birth_date < '1965-01-01';

3 •    select * from employees where gender = 'f' and hire_date >= '1990-01-01';

4 •    select first_name, last_name from employees where last_name like 'f%' limit 50;

5 •  insert into employees values(100, '1989-10-20', 'Ichiro', 'Suzuki', 'm', '2001-04-02'),
6    (101, '1991-12-21', 'Randy', 'Johnson', 'm', '1997-05-12'),
7    (102, '1984-04-09', 'Mia', 'Hamm', 'f', '2008-09-06');

9 •    UPDATE employees set first_name ='Bob' where emp_no = 10023;

12 •  UPDATE employees set hire_date = '2002-01-01' where first_name like 'p%' or last_name like 'p%';

13 •    delete from employees where emp_no < 10000;
```

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

A1) (below)

10979	1959-09-11	Elrique	Raney	F	1986-01-27
10980	1963-11-10	Filipp	Munawer	M	1989-01-04
10981	1956-07-22	Sugwoo	Dulin	F	1989-01-03
10982	1964-02-27	Yishay	Decleir	M	1989-11-11
10983	1961-08-09	Somnath	Parascan...	F	1988-02-22
10984	1962-11-10	Pranjal	Billawala	F	1988-07-09
10985	1952-05-31	Chiradeep	Furedi	F	1990-12-10
10986	1954-08-11	Masako	Schiper	M	1985-10-11
10987	1952-11-26	Flemming	Baezner	M	1995-12-19
10988	1955-06-24	Chinya	Deyuan	M	1985-06-19
10989	1954-09-08	Sumali	Candan	F	1985-07-20
10990	1954-10-22	Shin	Foote	M	1988-07-06
10991	1957-05-22	Munehiro	Aingworth	M	1993-05-21
10992	1958-11-26	Zhensheng	Juneja	M	1988-08-01
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	1994-05-06
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

A2)(below)

15161	1956-07-31	Sushant	Sanella	F	1992-12-05
15162	1960-05-01	Holgard	Koblitz	F	1990-08-07
15179	1953-08-19	Niteen	Bernarde...	F	1993-01-19
15181	1959-12-12	Leif	Reghbati	F	1992-08-13
15182	1958-05-25	Munehiko	Antonisse	F	1992-01-25
15183	1955-04-08	Vasiliy	Whitcomb	F	1996-01-31
15184	1953-10-31	Sachem	Sundgren	F	1996-12-25
15185	1956-08-14	Anoosh	Mitchem	F	1991-12-06
15197	1960-11-14	Constantino	Ouhyoung	F	1992-02-27
15200	1953-11-04	Danco	Brickell	F	1998-01-29
15201	1957-06-23	Hatsukazu	Heering	F	1992-08-24
15210	1962-01-21	Apostol	Peot	F	1990-07-02
15216	1952-04-24	Zhenhua	Wiegley	F	1990-06-24
15220	1957-08-03	Georgi	Panienski	F	1995-07-23
15223	1954-02-01	Izaskun	Harllee	F	1994-01-02
15233	1954-02-07	Manohar	Lorho	F	1994-12-11
15245	1962-11-01	Zita	Azulay	F	1994-02-01
15255	1960-05-08	Supot	Aingworth	F	1990-12-31
15261	1963-09-11	Katsuyuki	Lenart	F	1995-10-16
15263	1952-06-17	Sanjeeva	Loncour	F	1992-01-09
15265	1960-03-27	Branimir	Ramsay	F	1994-09-09

A3)

Fen	Fiebach
Ramzi	Furudate
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

A4)(below)

emp_no	birth_date	first_name	last_name	gender	hire_date
100	1989-10-20	Ichiro	Suzuki	M	2001-04-02
101	1991-12-21	Randy	Johnson	M	1997-05-12
102	1984-04-09	Mia	Hamm	F	2008-09-06

A5)

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

A6)

emp_no	birth_date	first_name	last_name	gender	hire_date
19194	1954-03-22	Uta	Pramanik	M	2002-01-01
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

A7)

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14 ●    SELECT * from employees where emp_no < 10000;
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	emp_no	birth_date	first_name	last_name	gender	hire_date
＊	NULL	NULL	NULL	NULL	NULL	NULL

✓	20	11:41:48	delete from employees where emp_no < 10000	3 row(s) affected
✓	21	11:42:32	SELECT * from employees where emp_no < 10000 LIMIT 0, 1000	0 row(s) returned

URL to GitHub Repository:

https://github.com/brycraw/week7sql