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" limit 20;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24
10011	1953-11-07	Mary	Sluis	F	1990-01-22
10012	1960-10-04	Patricio	Bridgland	M	1992-12-18
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	1987-04-03
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26
10021	1960-02-20	Ramzi	Erde	M	1988-02-10
10022	1952-07-08	Shahaf	Famili	M	1995-08-22
10023	1953-09-29	Bojan	Montemayor	F	1989-12-17
10024	1958-09-05	Suzette	Pettey	F	1997-05-19
10025	1958-10-31	Prasadram	Heyers	M	1987-08-17
10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-20
10027	1962-07-10	Divier	Reistad	F	1989-07-07
NULL	NULL	NULL	NULL	NULL	NULL

```sql
1    select * from employees where gender = "f" and hire_date > "1990-12-31" limit 20;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

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
NULL	NULL	NULL	NULL	NULL	NULL

```sql
1    select first_name, last_name from employees where last_name like "f%" limit 50;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: $\overline{IA}$ | Fetch rows:

first_name	last_name
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
Heejo	Frolund
Otmar	Feinberg
Unal	Fendler
Yuchang	Francisci
Chenyi	Feinberg
Shim	Feldhoffer
Ashish	Fortenbacher
Fan	Fairtlough
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
Jungsoon	Fiebach

```
1    insert into employees values (100, '1974-04-03', 'Jeremy', 'Smith', 'M', '2012-11-02'),
2                        (101, '1983-05-18', 'Molly', 'Jones', 'F', '2004-02-19'),
3                        (102, '1996-06-11', 'Greg', 'Thompson', 'M', '2016-12-03');
4 ●  select * from employees limit 20;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
100	1974-04-03	Jeremy	Smith	M	2012-11-02
101	1983-05-18	Molly	Jones	F	2004-02-19
102	1996-06-11	Greg	Thompson	M	2016-12-03
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24
10011	1953-11-07	Mary	Sluis	F	1990-01-22
10012	1960-10-04	Patricio	Bridgland	M	1992-12-18
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	1987-04-03
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26
10021	1960-02-20	Ramzi	Erde	M	1988-02-10
10022	1952-07-08	Shahaf	Famili	M	1995-08-22
10023	1953-09-29	Bojan	Montema...	F	1989-12-17
10024	1958-09-05	Suzette	Pettey	F	1997-05-19
NULL	NULL	NULL	NULL	NULL	NULL

```
1 ●  update employees set first_name = 'Bob' where emp_no = 10023;
2 ●  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
NULL	NULL	NULL	NULL	NULL	NULL

```sql
1 ●   update employees set hire_date = "2001-01-01" where first_name like "p%" or last_name like "p";
2 ●   select * from employees where first_name like "p%" or last_name like "p" limit 20;
3
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10012	1960-10-04	Patricio	Bridgland	M	2001-01-01
10025	1958-10-31	Prasadram	Heyers	M	2001-01-01
10037	1963-07-22	Pradeep	Makrucki	M	2001-01-01
10080	1957-12-03	Premal	Baek	M	2001-01-01
10082	1963-09-09	Parviz	Lortz	M	2001-01-01
10101	1952-04-15	Perla	Heyers	F	2001-01-01
10102	1959-11-04	Paraskevi	Luby	F	2001-01-01
10138	1955-04-24	Perry	Shimshoni	M	2001-01-01
10177	1954-11-08	Pragnesh	Iisaka	M	2001-01-01
10198	1953-05-28	Pranav	Furedi	M	2001-01-01
10296	1964-05-13	Petter	Lorho	M	2001-01-01
10309	1964-11-06	Prodip	Schusler	F	2001-01-01
10347	1953-10-03	Pradeep	Kaminger	M	2001-01-01
10353	1953-01-15	Phule	Hammers…	M	2001-01-01
10387	1952-11-03	Parto	Wrigley	F	2001-01-01
10404	1955-04-27	Prodip	Rosti	F	2001-01-01
10431	1961-05-25	Patricio	Bugrara	M	2001-01-01
10448	1963-12-10	Phule	Oxenboll	F	2001-01-01
10470	1956-04-12	Peternela	Iwayama	M	2001-01-01
10473	1963-10-13	Przemysla…	Oskamp	M	2001-01-01
NULL	NULL	NULL	NULL	NULL	NULL

```sql
1 ●    delete from employees where emp_no < 10000;
2 ●    select * from employees limit 20;
3
4
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24
10011	1953-11-07	Mary	Sluis	F	1990-01-22
10012	1960-10-04	Patricio	Bridgland	M	2001-01-01
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	1987-04-03
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26
10021	1960-02-20	Ramzi	Erde	M	1988-02-10
10022	1952-07-08	Shahaf	Famili	M	1995-08-22
10023	1953-09-29	Bob	Montemayor	F	1989-12-17
10024	1958-09-05	Suzette	Pettey	F	1997-05-19
10025	1958-10-31	Prasadram	Heyers	M	2001-01-01
10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-20
10027	1962-07-10	Divier	Reistad	F	1989-07-07
NULL	NULL	NULL	NULL	NULL	NULL

```sql
1 ●    delete from employees where emp_no = 10048;
2 ●    delete from employees where emp_no = 10099;
3 ●    delete from employees where emp_no = 10234;
4 ●    delete from employees where emp_no = 20089;
5 ●    select * from employees where emp_no = 10048;
6 ●    select * from employees where emp_no = 10099;
7 ●    select * from employees where emp_no = 10234;
8 ●    select * from employees where emp_no = 20089;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
NULL	NULL	NULL	NULL	NULL	NULL

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

URL to GitHub Repository: