

# 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.

499977	1956-06-05	Martial	Weisert	F	1996-09-17
499978	1960-03-29	Chiranjit	Kuzuoka	M	1990-05-24
499979	1962-10-29	Prasadram	Waleschkowski	M	1994-01-04
499980	1959-06-28	Gino	Usery	M	1991-02-11
499981	1955-01-02	Yunming	Mitina	F	1991-03-07
499982	1954-08-25	Mohammed	Pleszkun	M	1986-02-21
499983	1955-08-29	Uri	Juneja	F	1989-08-28
499984	1959-08-31	Kaijung	Rodham	M	1985-09-11
499985	1964-12-26	Gila	Lukaszewicz	M	1997-02-11
499986	1952-07-22	Nathan	Ranta	F	1985-08-11
499987	1961-09-05	Rimli	Dusink	F	1998-09-20
499988	1962-09-28	Bangqing	Kleiser	F	1986-06-06
499989	1954-05-26	Keiichiro	Lindqvist	M	1993-10-28
499990	1963-11-03	Khaled	Kohling	M	1985-10-10
499991	1962-02-26	Pohua	Sichman	F	1989-01-12
499992	1960-10-12	Siamak	Salverda	F	1987-05-10
499993	1963-06-04	DeForest	Mullainathan	M	1997-04-07
499994	1952-02-26	Navin	Argence	F	1990-04-24
499995	1958-09-24	Dekang	Lichtner	F	1993-01-12
499996	1953-03-07	Zito	Baaz	M	1990-09-27
499997	1961-08-03	Berhard	Lenart	M	1986-04-21
499998	1956-09-05	Patricia	Breugel	M	1993-10-13
499999	1958-05-01	Sachin	Tsukuda	M	1997-11-30

298084 rows in set (0.22 sec)

```
mysql> SELECT * FROM employees WHERE birth_date < '1965-01-01';
```

2.

499854	1954-12-26	Golgen	Sankaranarayanan	F	1992-07-14
499855	1957-07-01	Constantine	Michaels	F	1995-09-05
499856	1962-11-23	Yoshinari	Theuretzbacher	F	1997-05-17
499861	1959-11-18	Subhash	Barriga	F	1998-02-15
499871	1958-11-13	Elrique	Walstra	F	1993-07-05
499875	1961-01-11	Chenyi	Hainaut	F	1991-07-16
499885	1963-09-21	Jagoda	Lanphier	F	1997-05-09
499902	1952-07-31	Aloke	Wuwongse	F	1991-06-18
499910	1957-11-07	Doowon	Versino	F	1991-12-22
499912	1956-06-19	Parke	Pell	F	1993-10-23
499916	1962-01-09	Florina	Cusworth	F	1997-05-18
499923	1964-12-21	Sergi	Melton	F	1993-04-08
499933	1957-10-21	Chuanti	Riesenhuber	F	1993-05-28
499934	1957-02-19	Tonia	Butner	F	1991-01-02
499938	1960-06-30	JiYoung	Binding	F	1993-04-18
499941	1956-10-16	Udaiprakash	Hockney	F	1994-02-04
499942	1963-01-10	Feiyu	Sanella	F	1997-02-10
499950	1964-07-15	Weidon	Gente	F	1991-06-05
499956	1959-01-08	Zhonghua	Crooks	F	1994-10-12
499977	1956-06-05	Martial	Weisert	F	1996-09-17
499981	1955-01-02	Yunming	Mitina	F	1991-03-07
499987	1961-09-05	Rimli	Dusink	F	1998-09-20
499995	1958-09-24	Dekang	Lichtner	F	1993-01-12

43639 rows in set (0.15 sec)

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

3.

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	Fraissee

50 rows in set (0.00 sec)

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

4.

```
[mysql> INSERT INTO employees VALUES(100,'2007-03-18','Makayla','Lindsay', 'F', '2017-05-05');
Query OK, 1 row affected (0.00 sec)

[mysql> INSERT INTO employees VALUES(101,'2009-02-22','Shawn','Lindsay', 'F', '2017-09-05');
Query OK, 1 row affected (0.00 sec)

[mysql> INSERT INTO employees VALUES(102,'2012-06-13','Josiah','Lindsay', 'M', '2017-01-01');
Query OK, 1 row affected (0.00 sec)
```

5.

```
[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
```

6.

```
[Query OK, 31566 rows affected (0.34 sec)'2002-01-01' WHERE first_name LIKE 'P%' OR last_name LIKE 'P%';
Rows matched: 31566  Changed: 31566  Warnings: 0
```

7.

```
[mysql> DELETE FROM employees WHERE emp_no < 10000;  
Query OK, 3 rows affected (0.01 sec)
```

```
mysql> █
```

8.

```
[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 (0.01 sec)
```

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

1.

499977	1956-06-05	Martial	Weisert	F	1996-09-17
499978	1960-03-29	Chiranjit	Kuzuoka	M	1990-05-24
499979	1962-10-29	Prasadram	Waleschkowski	M	1994-01-04
499980	1959-06-28	Gino	Usery	M	1991-02-11
499981	1955-01-02	Yunming	Mitina	F	1991-03-07
499982	1954-08-25	Mohammed	Pleszkun	M	1986-02-21
499983	1955-08-29	Uri	Juneja	F	1989-08-28
499984	1959-08-31	Kaijung	Rodham	M	1985-09-11
499985	1964-12-26	Gila	Lukaszewicz	M	1997-02-11
499986	1952-07-22	Nathan	Ranta	F	1985-08-11
499987	1961-09-05	Rimli	Dusink	F	1998-09-20
499988	1962-09-28	Bangqing	Kleiser	F	1986-06-06
499989	1954-05-26	Keiichiro	Lindqvist	M	1993-10-28
499990	1963-11-03	Khaled	Kohling	M	1985-10-10
499991	1962-02-26	Pohua	Sichman	F	1989-01-12
499992	1960-10-12	Siamak	Salverda	F	1987-05-10
499993	1963-06-04	DeForest	Mullainathan	M	1997-04-07
499994	1952-02-26	Navin	Argence	F	1990-04-24
499995	1958-09-24	Dekang	Lichtner	F	1993-01-12
499996	1953-03-07	Zito	Baaz	M	1990-09-27
499997	1961-08-03	Berhard	Lenart	M	1986-04-21
499998	1956-09-05	Patricia	Breugel	M	1993-10-13
499999	1958-05-01	Sachin	Tsukuda	M	1997-11-30

298084 rows in set (0.22 sec)

```
mysql> SELECT * FROM employees WHERE birth_date < '1965-01-01';
```

2.

499854	1954-12-26	Golgen	Sankaranarayanan	F	1992-07-14
499855	1957-07-01	Constantine	Michaels	F	1995-09-05
499856	1962-11-23	Yoshinari	Theuretzbacher	F	1997-05-17
499861	1959-11-18	Subhash	Barriga	F	1998-02-15
499871	1958-11-13	Elrique	Walstra	F	1993-07-05
499875	1961-01-11	Chenyi	Hainaut	F	1991-07-16
499885	1963-09-21	Jagoda	Lanphier	F	1997-05-09
499902	1952-07-31	Aloke	Wuwongse	F	1991-06-18
499910	1957-11-07	Doowon	Versino	F	1991-12-22
499912	1956-06-19	Parke	Pell	F	1993-10-23
499916	1962-01-09	Florina	Cusworth	F	1997-05-18
499923	1964-12-21	Sergi	Melton	F	1993-04-08
499933	1957-10-21	Chuant	Riesenhuber	F	1993-05-28
499934	1957-02-19	Tonia	Butner	F	1991-01-02
499938	1960-06-30	JiYoung	Binding	F	1993-04-18
499941	1956-10-16	Udaiprakash	Hockney	F	1994-02-04
499942	1963-01-10	Feiyu	Sanella	F	1997-02-10
499950	1964-07-15	Weidon	Gente	F	1991-06-05
499956	1959-01-08	Zhonghua	Crooks	F	1994-10-12
499977	1956-06-05	Martial	Weisert	F	1996-09-17
499981	1955-01-02	Yunming	Mitina	F	1991-03-07
499987	1961-09-05	Rimli	Dusink	F	1998-09-20
499995	1958-09-24	Dekang	Lichtner	F	1993-01-12

43639 rows in set (0.15 sec)

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

3.

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

50 rows in set (0.00 sec)

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

4.

```
[mysql> SELECT * FROM employees LIMIT 5;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
100	2007-03-18	Makayla	Lindsay	F	2017-05-05
101	2009-02-22	Shawn	Lindsay	F	2017-09-05
102	2012-06-13	Josiah	Lindsay	M	2017-01-01
10000	2001-01-01	Tom	Smith	M	2017-06-06
10001	1953-09-02	Georgi	Facello	M	1986-06-26

5 rows in set (0.00 sec)

5.

```
[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 (0.01 sec)
```

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

```
20 rows in set (0.00 sec)
```

7.

```
mysql> SELECT * FROM employees LIMIT 15;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10000	2001-01-01	Tom	Smith	M	2017-06-06
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

15 rows in set (0.00 sec)

8.

```
[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 (0.01 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)
```

**URL to GitHub Repository:**

**<https://github.com/AaronL1981/Java-Week-7.git>**