

# Relational Databases with MySQL Week 1 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 accomplish 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. Their 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 employees who have an emp\_no of 10048, 10099, 10234, and 20089.

### Screenshots of Queries:

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

```
mysql> SELECT * FROM employees WHERE YEAR(hire_date) > 1990 AND gender = 'F';
```

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

```
mysql> INSERT INTO employees VALUES (100, '1993-10-05', 'Charlie', 'Dukes', 'M', '2021-02-27'), (101, '1991-11-20', 'Brittany', 'Dukes', 'F', '2021-02-27'), (102, '1997-12-15', 'Katie', 'Dukes', 'F', '2021-02-27');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
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
```

```
mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'P%' OR last_name LIKE 'P%';
Query OK, 31566 rows affected (0.65 sec)
Rows matched: 31566 Changed: 31566 Warnings: 0
```

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

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

496970	1965-01-03	Giordano	Maquelin	F	1986-08-06
496978	1965-01-30	Danco	Debuse	F	1992-11-21
497007	1965-01-23	Oldrich	Adachi	M	1996-12-23
497174	1965-01-02	Sanjiv	Bressoud	M	1991-05-09
497340	1965-01-06	Fayez	Keohane	F	1989-01-11
497391	1965-01-30	Paris	Lieblein	M	2002-01-01
497409	1965-01-21	Reinhard	Erde	M	1992-12-04
497660	1965-01-02	Gritta	Petereit	M	2002-01-01
497835	1965-01-29	Shuho	Laurillard	F	1998-05-19
498185	1965-01-19	Caolyn	Marciano	F	1994-03-16
498337	1965-01-30	Naraig	Docker	F	1997-05-17
498456	1965-01-17	Geraldo	Gerteisen	M	1987-06-05
498635	1965-01-09	Florian	Pezzoli	F	2002-01-01
498838	1965-01-16	Sanjay	Ciolek	M	1989-12-13
498845	1965-01-09	Arumugam	Pelc	M	2002-01-01
498955	1965-01-13	Nechama	Kandlur	F	1988-01-24
499160	1965-01-12	Urs	Rande	F	1990-01-25
499194	1965-01-29	Padma	Delgrange	M	2002-01-01
499260	1965-01-11	Danae	Honglei	M	1988-08-02
499495	1965-01-14	Baoqiu	Kakkar	M	1987-07-16

1) 1879 rows in set (0.11 sec)

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 (0.33 sec)										

2)

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)			

3)

4)

emp_no	birth_date	first_name	last_name	gender	hire_date
100	1993-10-05	Charlie	Dukes	M	2021-02-27
101	1991-11-20	Brittany	Dukes	F	2021-02-27
102	1997-12-15	Katie	Dukes	F	2021-02-27

5)

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

6)

499808	1955-04-05	Paris	Deyuan	F	2002-01-01
499817	1953-08-03	Lihong	Pusterhofer	M	2002-01-01
499838	1959-09-07	Annemarie	Peroz	M	2002-01-01
499849	1954-10-12	Moriyoshi	Pusterhofer	F	2002-01-01
499859	1962-05-20	Huican	Passafiume	F	2002-01-01
499870	1955-03-14	Kayoko	Peroz	M	2002-01-01
499873	1960-12-10	Kasidit	Picel	F	2002-01-01
499903	1959-06-30	Premal	Passino	M	2002-01-01
499912	1956-06-19	Parke	Pell	F	2002-01-01
499926	1956-10-15	Youpyo	Perfilyeva	F	2002-01-01
499929	1959-11-03	Phillip	Schnabel	M	2002-01-01
499935	1963-12-18	Ynte	Perelgut	M	2002-01-01
499937	1955-07-28	Pantung	Litzler	F	2002-01-01
499948	1953-05-24	Cordelia	Paludetto	M	2002-01-01
499953	1960-09-04	Leszek	Pulkowski	M	2002-01-01
499974	1956-09-10	Shuichi	Piazza	F	2002-01-01
499979	1962-10-29	Prasadram	Waleschkowski	M	2002-01-01
499982	1954-08-25	Mohammed	Pleszkun	M	2002-01-01
499991	1962-02-26	Pohua	Sichman	F	2002-01-01
499998	1956-09-05	Patricia	Breugel	M	2002-01-01

31566 rows in set (0.16 sec)

URL to GitHub Repository:

<https://github.com/DukesGuy/MySQL>