

# 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  # USE employees;|
2  # Q2 SELECT * FROM employees WHERE birth_date < '1965-01-01';
3  # Q2 SELECT * FROM employees WHERE gender = 'F' AND hire_date > '1990-01-01';
4  # Q3 SELECT * FROM employees WHERE last_name LIKE 'F%';
5  # Q4 INSERT INTO employees VALUES (100, '1990-01-01', 'Cloud', 'Strife', 'M', '2022-04-08'),
(101, '1989-01-01', 'Sephiroth', 'Jenova', 'M', '2022-04-07'), (102, '1991-01-01', 'Tifa', 'Lockheart', 'F', '2022-04-09');
6  # Q4 Checking SELECT * FROM employees WHERE emp_no < 10000;
7  # Q5 UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
8  # Q5 Checking SELECT * FROM employees WHERE emp_no = 10023;
9  # Q6 UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'P%' OR last_name LIKE 'P%';
10 # Q6 Checking SELECT * FROM employees WHERE first_name LIKE 'P%' OR last_name LIKE 'P%';
11 # Q7 DELETE FROM employees WHERE emp_no < 10000;
12 # Q7 Checking SELECT * FROM employees WHERE emp_no < 10000;
13 # Q8 DELETE FROM employees WHERE emp_no IN (10048, 10099, 10234, 20089);
14 # Q8 Checking SELECT * FROM employees WHERE emp_no IN (10048, 10099, 10234, 20089);
```

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

	499979	1962-10-29	Prasadram	Waleschk...	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	Mullainat...	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
1.	499999	1958-05-01	Sachin	Tsukuda	M	1997-11-30

499894	1957-04-25	Maja	Lamba	F	1990-06-10
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
499914	1952-03-04	Khoa	Keirse	F	1990-12-04
499916	1962-01-09	Florina	Cusworth	F	1997-05-18
499923	1964-12-21	Sergi	Melton	F	1993-04-08
499932	1962-05-19	Shigeaki	Narlikar	F	1990-09-27
499933	1957-10-21	Chuant	Riesenhu...	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
499994	1952-02-26	Navin	Argence	F	1990-04-24
499995	1958-09-24	Dekang	Lichtner	F	1993-01-12

2.

10912	1952-07-27	Oscal	Fasbender	M	1986-04-23
10935	1961-08-09	Morris	Famili	M	1990-03-09
10940	1953-01-07	Aleksander	Fioravanti	F	1994-12-02
10985	1952-05-31	Chiradeep	Furedi	F	1990-12-10
10990	1954-10-22	Shin	Foote	M	1988-07-06
11082	1962-07-26	Deniz	Fontan	M	1992-12-01
11095	1961-12-31	Nathan	Flowers	M	1994-05-28
11114	1955-09-08	Tse	Felcyn	M	1989-10-14
11197	1955-05-11	Tadahiro	Fordan	M	1986-04-13
11220	1962-06-25	Sahrah	Figueira	F	1989-11-24
11227	1956-01-31	Dayanand	Figueira	M	1985-03-08
11263	1961-09-09	Kwangjo	Fiebach	M	1989-08-15
11270	1962-10-10	Gina	Falster	M	1988-09-28
11284	1961-03-25	Bernice	Felcyn	M	1985-04-25
11287	1963-08-16	Sreenivas	Farrag	M	1987-08-12
11300	1952-12-14	Lillian	Fontet	M	1992-09-10
11316	1963-11-02	Ult	Farrar	F	1997-07-18
11321	1959-06-25	Heping	Fontan	M	1995-03-18
11328	1958-10-13	Xiong	Ferriere	M	1986-08-08
11331	1959-10-15	Kasturi	Fraisse	F	1987-03-03

3.

	emp_no	birth_date	first_name	last_name	gender	hire_date
►	100	1990-01-01	Cloud	Strife	M	2022-04-08
	101	1989-01-01	Sephiroth	Jenova	M	2022-04-07
	102	1991-01-01	Tifa	Lockheart	F	2022-04-09
*	NULL	NULL	NULL	NULL	NULL	NULL

4.

5.

	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

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	Ymte	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	Waleschk...	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	Breuel	M	2002-01-01

7.

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

8.

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

URL to GitHub Repository:

<https://github.com/AkemiTCGyt/PromineoTechWeek7CodingAssignment>