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

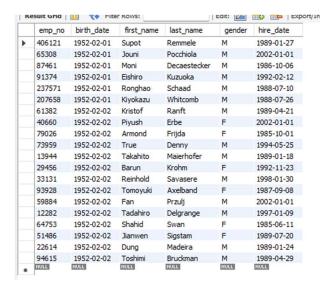
8. Delete all employee who have an emp no of 10048, 10099, 10234, and 20089.

Screenshots of Queries:

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        -- Question 1. Show all employees who were born before 1965-01-01
 2 • SELECT * FROM employees WHERE birth_date < ' 1965-01-01' ORDER BY birth_date ASC LIMIT 20;
        -- Question 2. Show all employees who are female and were hired after 1990
 5 • SELECT * FROM employees WHERE gender = 'F' AND hire_date> '1990-01-01' ORDER BY hire_date ASC LIMIT 20;
        -- Question 3. Show the first and last name of the first 50 employees whose last name starts with F
 8 • SELECT first name, last name FROM employees WHERE last name LIKE 'F%' ORDER BY first name LIMIT 50;
       -- Question 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.
 10
11 • INSERT INTO employees VALUES ('100', '2006-12-05', 'Malachi', 'Lujan', 'M', '2022-04-08');
 12 • INSERT INTO employees VALUES ('101', '2003-03-05', 'Kyra', 'Lujan', 'F', '2022-04-08');
13 • INSERT INTO employees VALUES('102', '1984-04-25', 'Victoria', 'Lujan', 'F', '2022-04-08');
 14 • SELECT * FROM employees;
       -- Question 5 Change the employee's first name to Bob for the employee with the emp_no of 10023.
 17 • UPDATE employees SET first_name = 'Bob' WHERE emp_no = '10023';
 18 • SELECT * FROM employees;
       -- Question 6 Change all employees hire dates to 2002-01-01 whose first or last names start with P.
 20
21 • UPDATE employees SET hire date = ' 2002-01-01' WHERE first name LIKE 'P%' OR last name LIKE 'P%' LIMIT 20;
22 • SELECT * FROM employees WHERE first_name LIKE 'P%' OR last_name LIKE 'P%' LIMIT 20;
 23
 24
       -- Question 7 Delete all employees who have an emp_no less than 10000
 25 • DELETE FROM employees WHERE emp_no < 10000;
 26 • SELECT * FROM employees;
       -- Question 8 Delete all employee who have an emp_no of 10048, 10099, 10234, and 20089.
 29 • DELETE FROM employees WHERE emp_no = ' 10048';
 30 • DELETE FROM employees WHERE emp_no = ' 10099';
 31 • DELETE FROM employees WHERE emp_no = ' 10234';
 32 • DELETE FROM employees WHERE emp_no = ' 20089';
34 • SELECT * FROM employees WHERE emp_no = ' 10048';
35 • SELECT * FROM employees WHERE emp_no = ' 10099';
36 • SELECT * FROM employees WHERE emp_no = ' 10234';
37 • SELECT * FROM employees WHERE emp_no = ' 20089';
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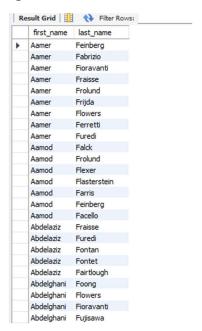
Screenshots of Query Results (only include the last 20 rows):

Question 1.

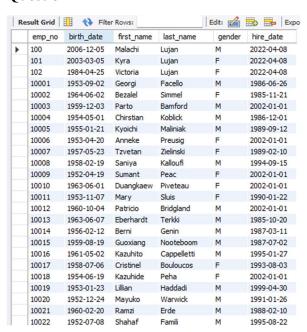


Ouestion 2

	emp_no	birth_date	first_name	last_name	gender	hire_date
T	38960	1953-09-05	Edwin	Morrow	F	1990-01-02
	27647	1958-02-22	Richara	Conry	F	1990-01-02
	268888	1962-05-04	Macha	Murrill	F	1990-01-02
1	105440	1952-04-18	Anneli	Jansen	F	1990-01-02
	269401	1958-09-09	Atreye	Whitcomb	F	1990-01-02
	80591	1956-07-26	Dipankar	Gerlach	F	1990-01-02
	243198	1963-12-01	Sajjad	Matheson	F	1990-01-02
	233870	1957-03-01	Domenick	Apsitis	F	1990-01-02
	12923	1953-09-05	Chaosheng	Journel	F	1990-01-02
	272664	1958-12-03	Odoardo	Diderrich	F	1990-01-02
	48297	1956-08-27	Breannda	Birge	F	1990-01-02
	107936	1955-10-31	Sugwoo	Walstra	F	1990-01-02
	74200	1965-01-16	Holgard	Weiland	F	1990-01-02
	80197	1957-09-27	Qiwen	Tsukuda	F	1990-01-02
	71575	1956-03-14	Changho	Braunschweig	F	1990-01-02
	454944	1952-03-05	Nigel	Acton	F	1990-01-02
	443346	1954-02-13	Alair	Biros	F	1990-01-02
	434894	1956-10-06	Morrie	Cyne	F	1990-01-02
	231314	1964-10-21	Yuuichi	Morton	F	1990-01-02
	442831	1962-04-14	Vasilii	Kitsuregawa	F	1990-01-02



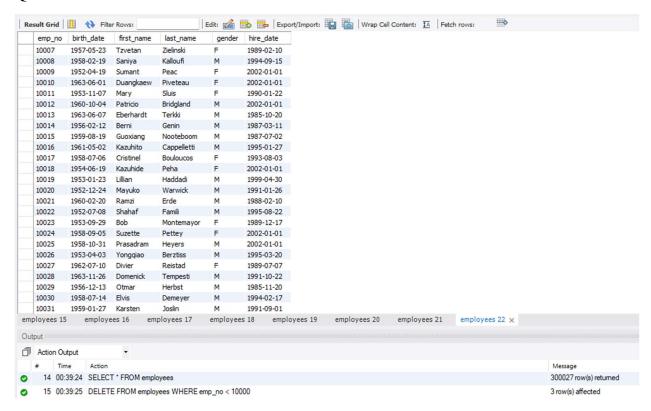
Question 4

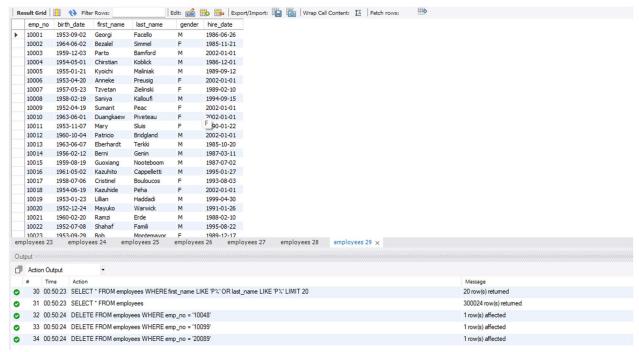




Question 6







URL to GitHub Repository:

https://github.com/HaroldLujan/Week-7-Coding-Assignment.git