Relational Databases with MySQL Week 1 Coding Assignment

**Points possible:** 70

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| --- | --- | --- |
| 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, with your MySql queries, to the 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

SELECT \* FROM employees

WHERE birth\_date < '1965-01-01';

2. Show all employees who are female and were hired after (>) 1990

SELECT \* FROM employees

WHERE gender = 'F' AND hire\_date > '1990-0-01';

3. Show the first **and** last name of the first 50 employees whose last name starts with F

SELECT first\_name, last\_name FROM employees

WHERE last\_name LIKE "f%"

LIMIT 50;

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.

INSERT INTO employees

VALUES ('100', '1986\_07-14', 'Spongebob', 'Squarepants', 'M', '1999-05-01');

INSERT INTO employees

VALUES ('101', '1979-11-28', 'Tia', 'Landry', 'F', '1994-04-01');

INSERT INTO employees

VALUES ('102', '1979-11-28', 'Tamara', 'Campbell', 'F', '1994-04-01');

5. Change the employee's first name to Bob for the employee with the emp\_no of 10023.

SELECT emp\_no, first\_name, last\_name FROM employees

WHERE emp\_no = 10023;

UPDATE employees

SET first\_name = 'Bob'

WHERE emp\_no = 10023;

6. Change all employees hire dates to 2002-01-01 whose first **or** last names start with P.

SELECT first\_name, last\_name, hire\_date FROM employees

WHERE first\_name LIKE 'p%' OR last\_name LIKE 'p%';

UPDATE employees

SET hire\_date = '2002-01-01'

WHERE first\_name LIKE 'p%' OR last\_name LIKE 'p%';

7. Delete all employees who have an emp\_no less than 10000

SELECT \* FROM employees

WHERE emp\_no < 10000;

DELETE FROM employees

WHERE emp\_no < 10000;

8. Delete all employees who have an emp\_no of 10048, 10099, 10234, and 20089.

SELECT \* FROM employees

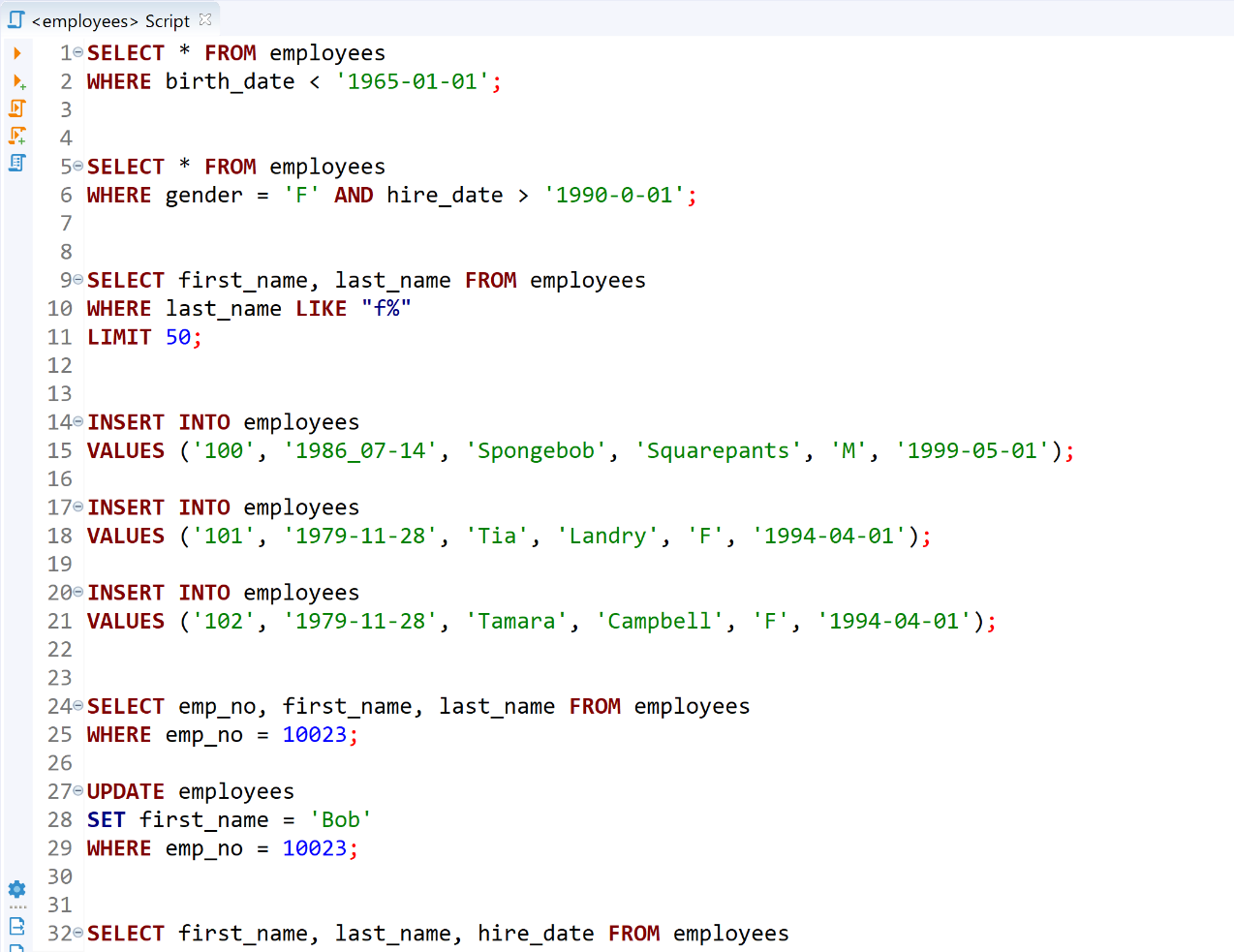
WHERE emp\_no IN(10048, 10099, 10234, 20089);

DELETE FROM employees

WHERE emp\_no IN(10048, 10099, 10234, 20089);

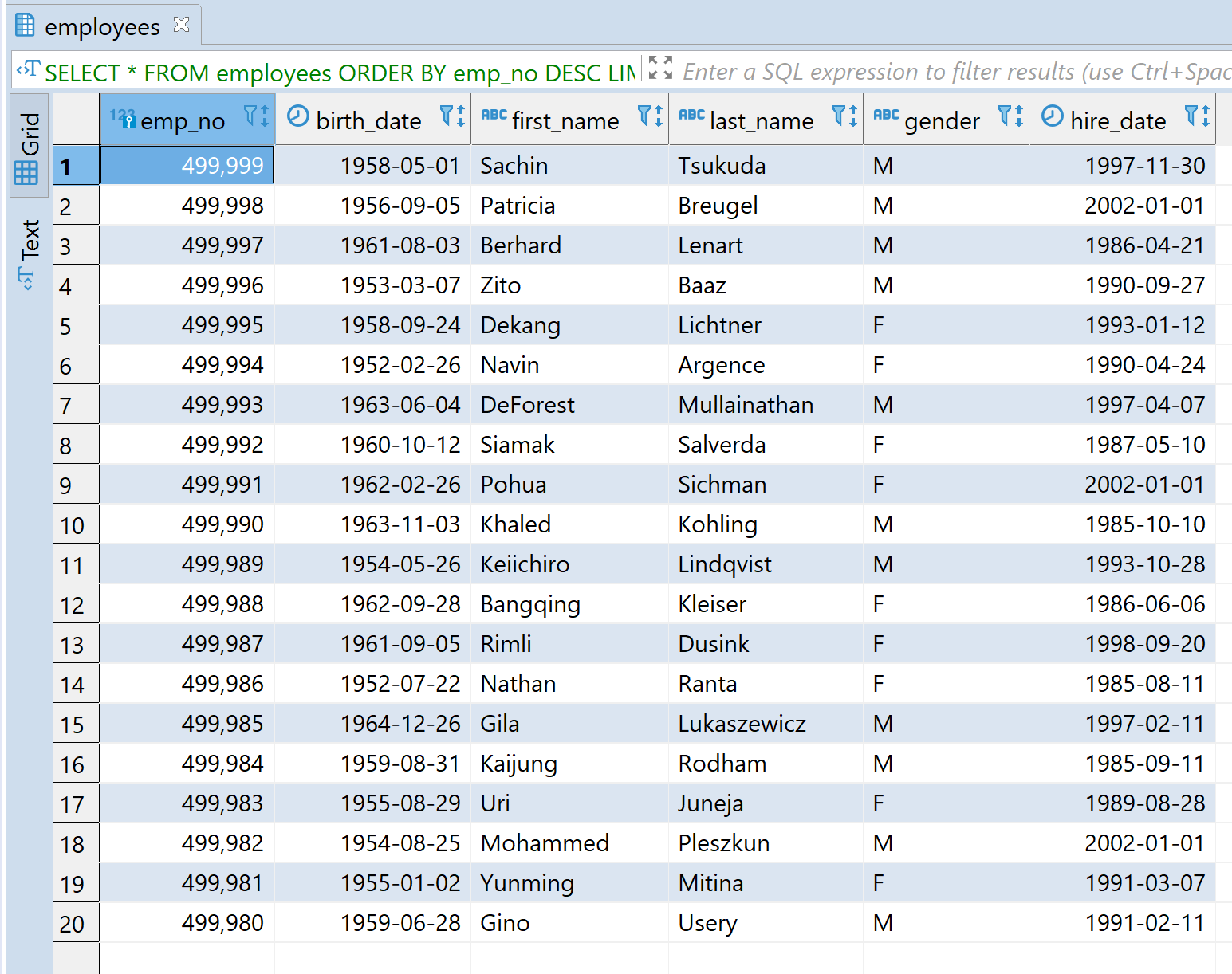
SELECT \* FROM employees

ORDER BY emp\_no DESC LIMIT 20;

**Screenshots of Queries:**



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

**URL to GitHub Repository:** https://github.com/radubuc/week-1-MySQL