

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:

```
Limit to 1000 rows
1 • USE employees;
2
3 • SELECT * FROM employees WHERE birth_date < '1965/01/01'
4
5
```

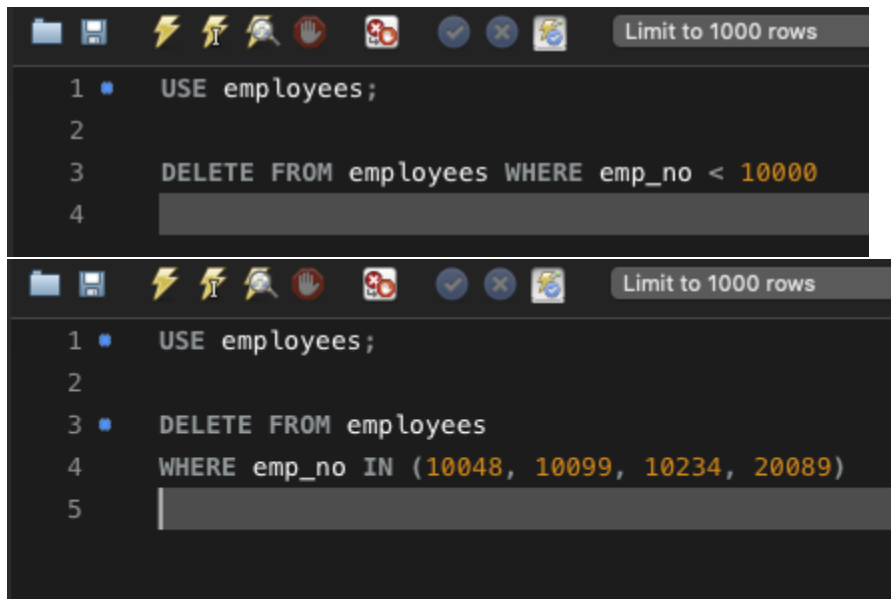
```
1 • USE employees;
2
3 • SELECT * FROM employees WHERE gender = 'f' AND hire_date >= '1990/01/01'
```

```
Limit to 1000 r
1 • USE employees;
2
3 • SELECT first_name, last_name
4     FROM employees
5     WHERE last_name LIKE 'f%' LIMIT 50
```

```
Limit to 1000 rows
1 • INSERT INTO employees
2     VALUES('100', '1998-01-01', 'Jim', 'Halpert', 'M', '2016-01-01'),
3           ('101', '1989-01-01', 'Pam', 'Beasley', 'F', '2002-09-01'),
4           ('102', '1967-01-01', 'Creed', 'Bratton', 'M', '1987-04-01')
```

```
1 • USE employees;
2
3 • UPDATE employees
4     SET first_name = 'Bob'
5     WHERE emp_no = 10023
```

```
Limit to
1 • USE employees;
2
3 • UPDATE employees
4     SET hire_date = '2002-01-01'
5     WHERE first_name LIKE 'p%' OR
6           last_name LIKE 'p%'
```



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

37	23:02:29	USE employees	0 row(s) affected	0.0016 sec
38	23:02:29	DELETE FROM employees WHERE emp_no < 10000	3 row(s) affected	0.0024 sec
39	23:02:34	USE employees	0 row(s) affected	0.00027 sec
40	23:02:34	DELETE FROM employees WHERE emp_no IN (10048, 10099, 10234, 20089)	0 row(s) affected	0.00076 sec
41	23:11:27	USE employees	0 row(s) affected	0.00046 sec
42	23:11:27	SELECT first_name, last_name FROM employees WHERE last_name LIKE 'f%' LIMIT 50	50 row(s) returned	0.0015 sec / 0.00002...
43	23:14:42	USE employees	0 row(s) affected	0.0014 sec
44	23:14:42	SELECT * FROM employees WHERE birth_date < '1965/01/01' LIMIT 0, 1000	1000 row(s) returned	0.0026 sec / 0.0011 s...
45	23:14:45	USE employees	0 row(s) affected	0.00063 sec
46	23:14:45	SELECT * FROM employees WHERE gender = 'F' AND hire_date >= '1990/01/01' LIMIT 0, 1000	1000 row(s) returned	0.0052 sec / 0.0025...
47	23:14:47	USE employees	0 row(s) affected	0.00024 sec
48	23:14:47	SELECT first_name, last_name FROM employees WHERE last_name LIKE 'f%' LIMIT 50	50 row(s) returned	0.0024 sec / 0.00003...
49	23:14:49	INSERT INTO employees VALUES('100', '1998-01-01', 'Jim', 'Halpert', 'M', '2016-01-01'), ('101', '1989-01-01', ...	3 row(s) affected Records: 3 Duplicates: 0 Warnings...	0.018 sec
50	23:14:51	USE employees	0 row(s) affected	0.00036 sec
51	23:14:51	UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023	0 row(s) affected Rows matched: 1 Changed: 0 Warn...	0.00056 sec
52	23:14:54	USE employees	0 row(s) affected	0.0012 sec
53	23:14:54	UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' OR last_name LIKE 'p%'	1 row(s) affected Rows matched: 31567 Changed: 1...	0.871 sec
54	23:14:57	USE employees	0 row(s) affected	0.0050 sec
56	23:14:57	DELETE FROM employees WHERE emp_no < 10000	3 row(s) affected	0.0027 sec
58	23:15:00	USE employees	0 row(s) affected	0.00063 sec
57	23:15:00	DELETE FROM employees WHERE emp_no IN (10048, 10099, 10234, 20089)	0 row(s) affected	0.0023 sec

URL to GitHub Repository:

<https://github.com/Asosa809/SQL-Week1>