

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. 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 employee who have an emp_no of 10048, 10099, 10234, and 20089.

Screenshots of Queries:

MySQL Workbench

Local instance MySQL80 employee.x Local instance MySQL80 (em...

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 1 SQL File 2

Limit to 1000 rows

```
1 SELECT * FROM employees WHERE birth_date <= '1985-01-01';
```

2

emp_no	birth_date	first_name	last_name	gender	hire_date
10906	1952-02-06	Munehiro	Carere	F	1994-01-20
10229	1952-02-10	Ulises	Talanani	M	1987-11-22
10429	1952-02-13	Warlen	Improra	F	1986-03-09
10395	1952-02-17	Takahiro	Deverell	M	1987-02-04
10131	1952-02-19	Magdalena	Bidridge	M	1994-11-17
10872	1952-02-21	Karoline	Sped	F	1990-09-06
10127	1952-02-24	Sube	Bate	F	1989-01-14
11002	1952-02-26	Bluma	Ukupnar	M	1996-12-23
10097	1952-02-27	Renz	Vraachio...	M	1990-09-15
10847	1952-02-04	Therri	Darley	M	1986-07-25
10974	1952-03-07	Munro	Papdorf	M	1985-11-25
10895	1952-03-21	Vahwari	Petersohn	M	1986-04-26
10696	1952-03-23	Unal	Fendler	M	1991-09-09
10240	1952-04-01	Ramko	Naccarone	M	1998-10-06
10108	1952-04-07	Lunjin	Givson	M	1986-10-02
10372	1952-04-08	Annel	Frida	F	1985-07-30
10712	1952-04-12	Uma	Kaprowski	F	1994-08-18
10101	1952-04-15	Perla	Heuser	F	1992-12-28
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10219	1952-05-02	Genta	Kakik	M	1993-03-31
10413	1952-05-05	Daniel	Imagliezzo	F	1990-03-26
10286	1952-05-14	Saddek	Gopalakr...	F	1988-03-21
10072	1952-05-15	Hronoby	Sidou	F	1988-07-21
10503	1952-05-17	Dannu	Pell	M	1991-04-30
10944	1952-05-25	Ramko	Zyda	M	1991-05-24
10885	1952-05-31	Chradieep	Pured	F	1990-12-10
10548	1952-06-12	Ramalingam	Gunderson	M	1986-05-04

employees 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
100	17:19:25	SELECT * FROM employees WHERE hire_date > 1989-12-31 LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
101	17:19:25	SELECT first_name, last_name FROM employees WHERE last_name LIKE 'T': LIMIT 50	50 row(s) returned	0.000 sec / 0.000 sec
102	17:19:25	INSERT INTO employees VALUES(100, 1992-09-15, 'Felix', 'Ramos', 'M', 2022-07-08), (101, 1992-02-0...	Error Code 1062: Duplicate entry '100' for key 'employees.PRIMARY'	0.000 sec
103	17:20:28	SELECT * FROM employees WHERE birth_date <= 1985-01-01 LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
104	17:21:31	SELECT * FROM employees WHERE birth_date <= 1985-01-01 LIMIT 0, 1000	1000 row(s) returned	0.015 sec / 0.016 sec
105	17:22:35	SELECT * FROM employees WHERE birth_date <= 1985-01-01 LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Screenshots of

MySQL Workbench

Local instance MySQL80 employe.x Local instance MySQL80 em...

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 1" SQL File 2"

```
1 * SELECT * FROM employees WHERE birth_date <= '1965-01-01';
2 * SELECT * FROM employees WHERE hire_date > '1989-12-31';
3
```

Result Grid Filter Rows Edit Export/Import Wrap Cell Contents Fetch rows

emp_no	birth_date	first_name	last_name	gender	hire_date
11454	1961-08-07	Yella	Zofus	M	1990-01-02
10082	1963-09-09	Parviz	Lortz	M	1990-01-03
10155	1959-12-07	Adas	Nastarsky	M	1990-01-05
11078	1959-12-10	Bedhr	Chenoweth	M	1990-01-07
10209	1960-04-21	Sike	Stantford	F	1990-01-10
10439	1958-04-09	Jolita	Jaredi	M	1990-01-11
11948	1952-02-21	Yahiko	Nergos	F	1990-01-12
11105	1956-12-17	Holgard	McAlpine	M	1990-01-13
10096	1954-09-18	Jervon	Mandel	M	1990-01-14
10490	1959-11-05	Khun	Harbusch	M	1990-01-17
10491	1964-09-09	Garrk	Narahani	M	1990-01-17
11277	1961-09-17	Huneleng	Ritony	M	1990-01-18
10438	1961-12-25	Eugens	Srinari	F	1990-01-19
10011	1953-11-07	Mary	Slus	F	1990-01-22
10774	1958-10-03	Jacqueline	Masand	M	1990-01-26
10332	1954-05-28	Isamu	Dalbom	F	1990-01-29
11895	1964-05-09	Flemming	Schreier	M	1990-01-29
10056	1961-09-01	Brendon	Bernni	F	1990-02-01
11597	1955-04-10	Yongdong	Talmon	M	1990-02-01
12105	1961-01-14	Christhead	Larcy	F	1990-02-02
11573	1952-12-18	Phanas	Hutton	F	1990-02-04
10303	1961-09-11	Marlo	Zachochie	M	1990-02-05
11145	1954-01-14	Jemi	Baak	F	1990-02-06
10996	1955-02-01	Wulk	Kahni	F	1990-02-07
11890	1959-10-23	Remmert	Kikenuid	M	1990-02-09
11683	1956-05-14	Mayumi	Charles	F	1990-02-11
10652	1960-04-25	Dania	Chachaty	M	1990-02-12

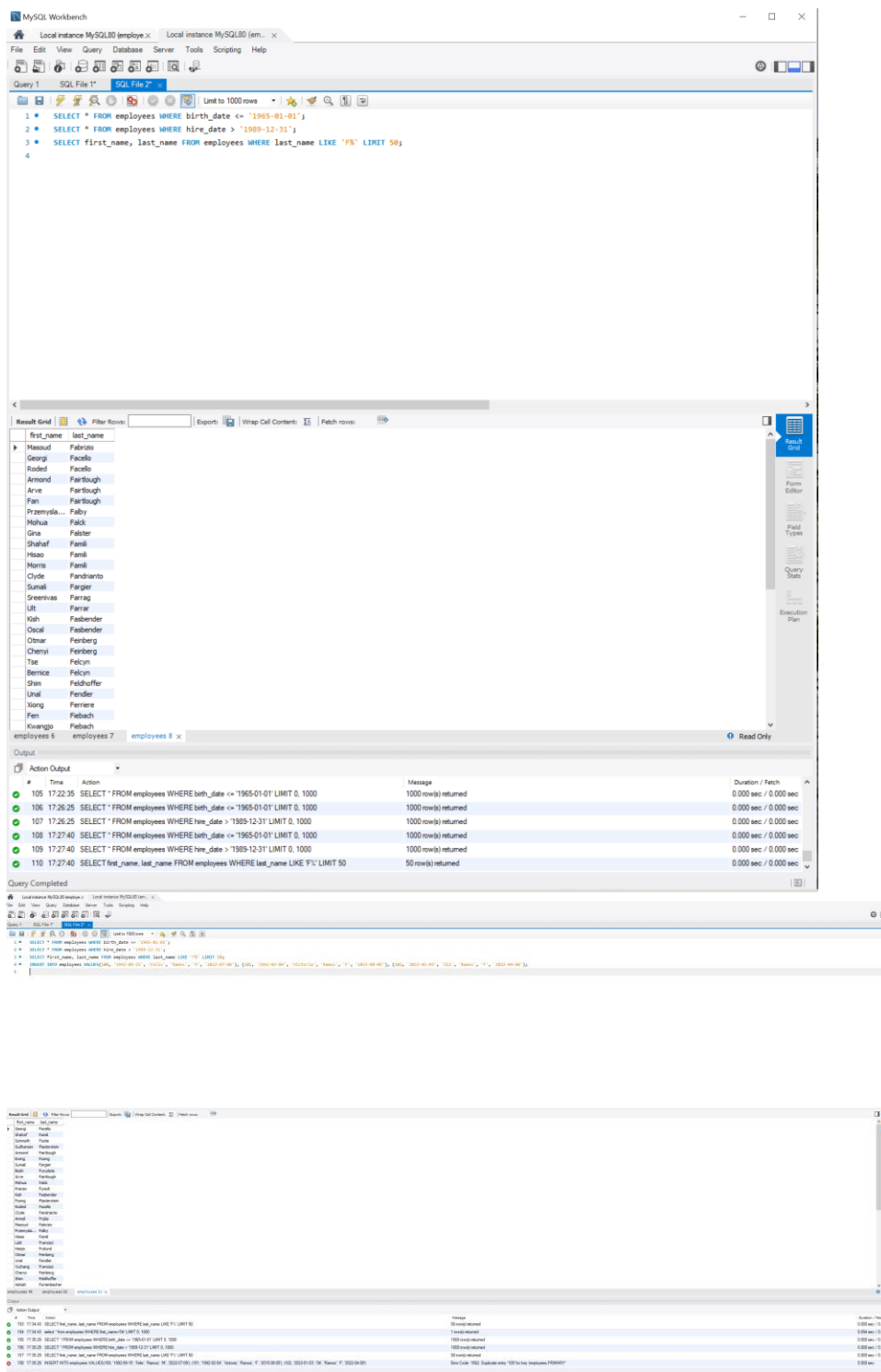
employees 4 employees 5.x Apply Revert

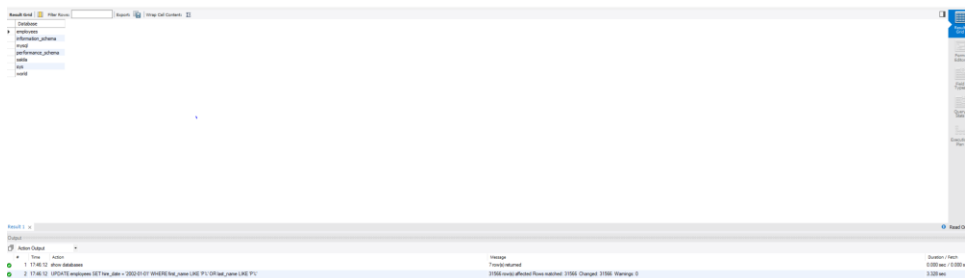
Output

Action Output

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103	17:20:28	SELECT * FROM employees WHERE birth_date <= '1965-01-01' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
104	17:21:31	SELECT * FROM employees WHERE birth_date <= '1965-01-01' LIMIT 0, 1000	1000 row(s) returned	0.015 sec / 0.015 sec
105	17:22:35	SELECT * FROM employees WHERE birth_date <= '1965-01-01' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
106	17:26:25	SELECT * FROM employees WHERE birth_date <= '1965-01-01' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
107	17:26:25	SELECT * FROM employees WHERE hire_date > '1989-12-31' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Query Completed





URL to GitHub Repository: