

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:

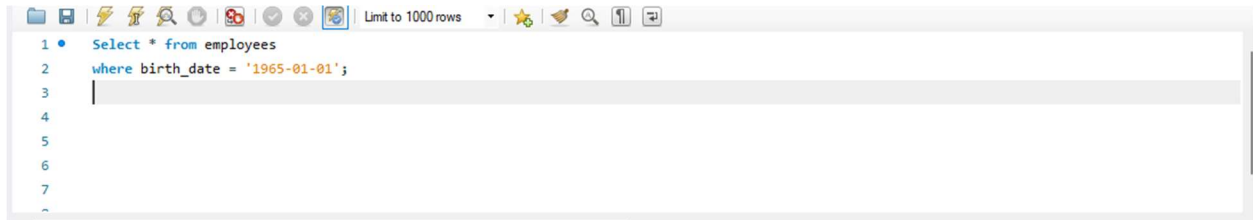
Using the employees database you installed, write SQL queries that do the following (the SQL queries you write are what you will turn in for your homework):

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.

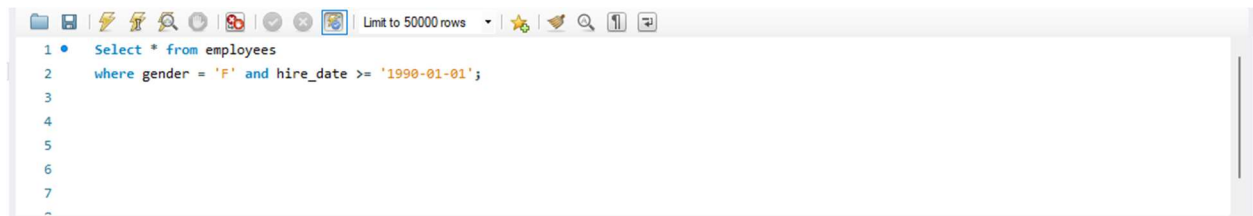
Screenshots of Queries:

1.



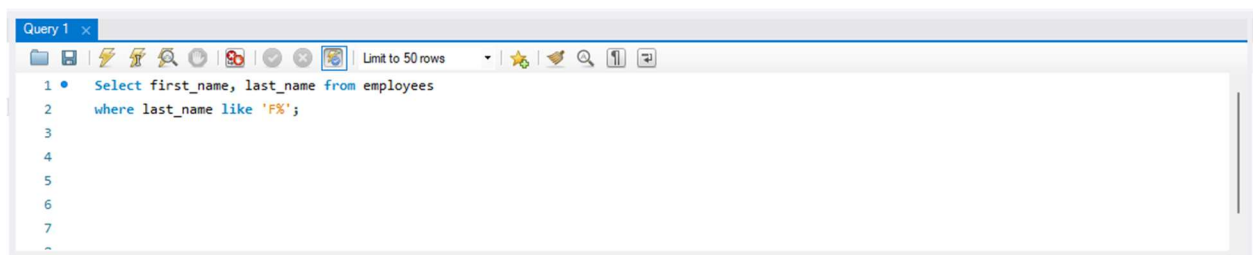
```
1 • Select * from employees
2 where birth_date = '1965-01-01';
3
4
5
6
7
~
```

2.



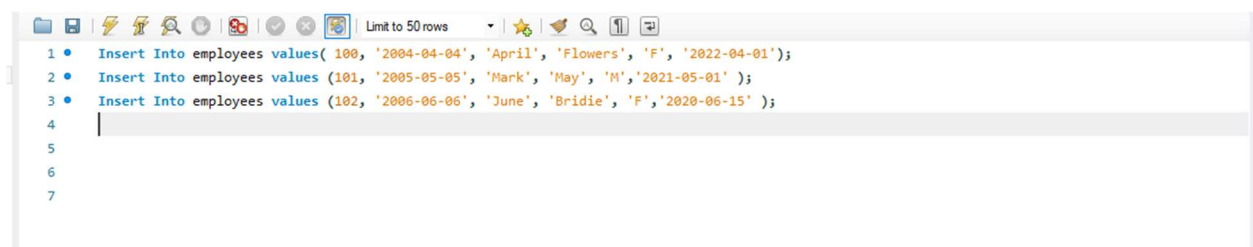
```
1 • Select * from employees
2 where gender = 'F' and hire_date >= '1990-01-01';
3
4
5
6
7
~
```

3.



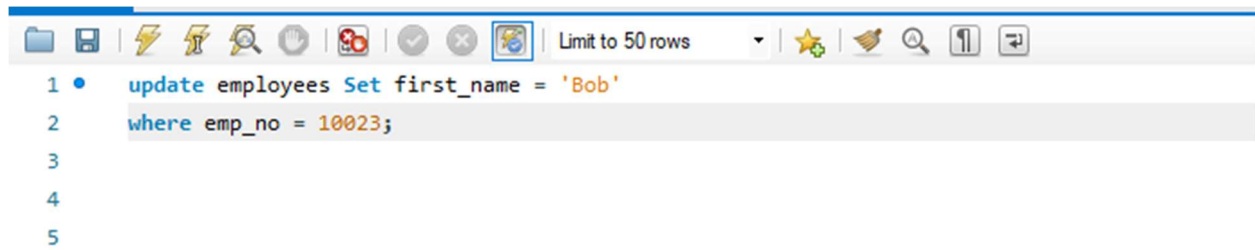
```
Query 1 x
1 • Select first_name, last_name from employees
2 where last_name like 'F%';
3
4
5
6
7
~
```

4.



```
1 • Insert Into employees values( 100, '2004-04-04', 'April', 'Flowers', 'F', '2022-04-01');
2 • Insert Into employees values (101, '2005-05-05', 'Mark', 'May', 'M', '2021-05-01' );
3 • Insert Into employees values (102, '2006-06-06', 'June', 'Bridie', 'F', '2020-06-15' );
4
5
6
7
```

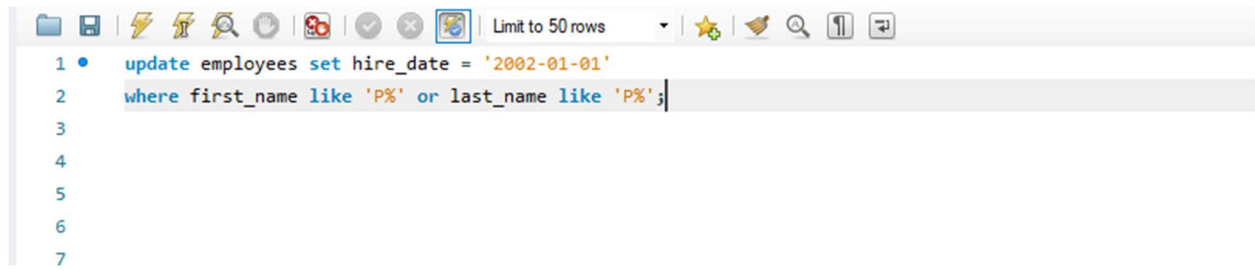
5.



A screenshot of a SQL query editor window. The toolbar at the top includes icons for file operations, execution, and a dropdown menu set to "Limit to 50 rows". The query text is as follows:

```
1 • update employees set first_name = 'Bob'
2   where emp_no = 10023;
3
4
5
```

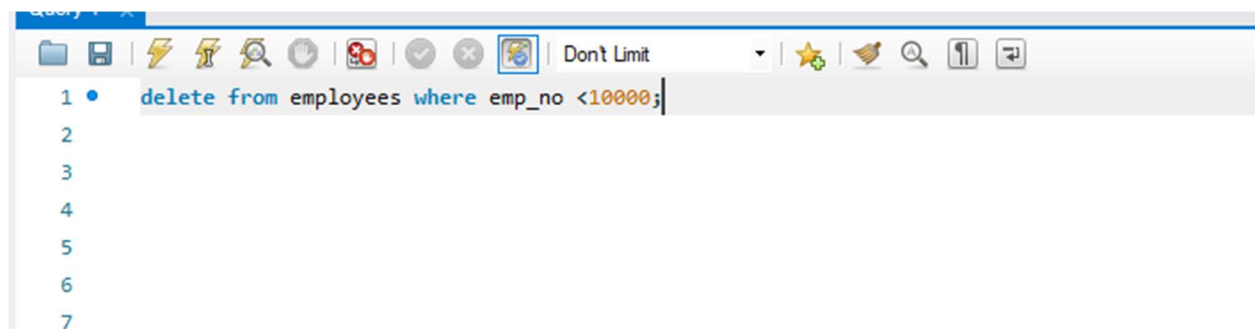
6.



A screenshot of a SQL query editor window. The toolbar at the top includes icons for file operations, execution, and a dropdown menu set to "Limit to 50 rows". The query text is as follows:

```
1 • update employees set hire_date = '2002-01-01'
2   where first_name like 'P%' or last_name like 'P%';
3
4
5
6
7
```

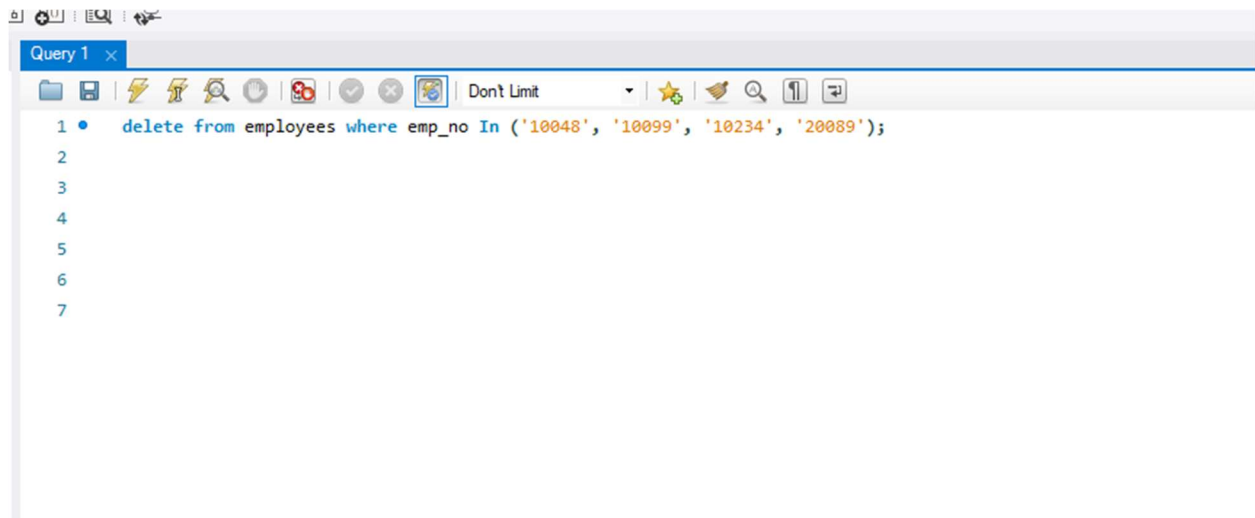
7.



A screenshot of a SQL query editor window. The toolbar at the top includes icons for file operations, execution, and a dropdown menu set to "Don't Limit". The query text is as follows:

```
1 • delete from employees where emp_no <10000;
2
3
4
5
6
7
```

8.



A screenshot of a SQL query editor window. The toolbar at the top includes icons for file operations, execution, and a dropdown menu set to "Don't Limit". The query text is as follows:

```
1 • delete from employees where emp_no In ('10048', '10099', '10234', '20089');
2
3
4
5
6
7
```

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

1.

Result Grid							Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
emp_no	birth_date	first_name	last_name	gender	hire_date					
403237	1965-01-01	Muneo	Gunderson	M	1985-12-08					
408019	1965-01-01	Shridhar	Chleq	F	1986-03-22					
410592	1965-01-01	Tonia	Shigei	F	1993-03-13					
423993	1965-01-01	Seshu	Kolvik	F	1988-12-09					
424845	1965-01-01	Salvador	Peres	M	1995-04-24					
438038	1965-01-01	Lena	Giaccio	F	1991-11-26					
440870	1965-01-01	Filipp	Hasham	F	1990-07-11					
440997	1965-01-01	Manton	Schapiro	M	1991-03-26					
445226	1965-01-01	Oscar	Baumann	M	1987-01-22					
454994	1965-01-01	Mohan	Picht	M	1986-08-21					
455296	1965-01-01	Mang	Sundgren	M	1989-01-05					
455914	1965-01-01	Peer	Angelopo...	M	1989-07-23					
465853	1965-01-01	Kwan	Kampfer	F	1997-03-10					
473268	1965-01-01	Hugo	Sgarro	M	1992-04-24					
477350	1965-01-01	Terresa	Vigier	M	1998-07-08					
480407	1965-01-01	Deniz	Bennis	M	1989-06-24					
485489	1965-01-01	Keiichiro	Armand	F	1986-12-14					
486956	1965-01-01	Matt	Ruemmler	F	1993-10-14					
489756	1965-01-01	Kersti	Miculan	F	1986-12-15					
490551	1965-01-01	Lalit	Lindqvist	M	1991-03-17					
490568	1965-01-01	Zita	Reistad	M	1987-12-21					
491632	1965-01-01	Gadiel	Perly	M	1986-10-20					
495969	1965-01-01	Geoffrey	Panienski	M	1988-11-28					
NULL	NULL	NULL	NULL	NULL	NULL					

2.

Result Grid							Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:	Fetch rows:
emp_no	birth_date	first_name	last_name	gender	hire_date						
478179	1964-03-08	Nathan	Bugrara	F	1994-03-27						
478182	1958-05-10	Honglan	Choobineh	F	1996-01-24						
478200	1959-09-28	Boutros	Sigstam	F	1995-04-23						
478203	1964-11-15	Martine	Syrzycki	F	1994-09-23						
478211	1958-10-01	Yahiko	Schlenzig	F	1994-07-23						
478214	1955-10-18	Jolita	Ramalingam	F	1990-12-03						
478220	1959-10-10	Weiwu	Werthner	F	1995-12-28						
478221	1956-05-10	Tua	Hiyoshi	F	1990-05-07						
478222	1952-06-02	Mariangiola	Gips	F	1995-03-02						
478229	1952-07-18	Shawna	Schwaba...	F	1990-06-03						
478237	1964-02-26	Mechthild	Simmen	F	1993-08-31						
478244	1963-07-05	Tsz	McClurg	F	1992-01-15						
478252	1962-02-11	Mahmut	Marchesini	F	1993-01-19						
478255	1955-01-28	Kwangsub	Masada	F	1996-02-26						
478256	1964-05-05	Apostol	Camurati	F	1996-12-31						
478262	1958-07-02	Theirry	Radwan	F	1991-06-15						
478265	1954-12-21	Basim	Zizka	F	1993-09-05						
478271	1963-10-30	Mingzeng	Peng	F	1991-02-05						
478275	1958-08-21	Hilari	Itzfeldt	F	1991-10-14						
478277	1959-10-20	Manton	Katiyar	F	1995-05-28						
478278	1962-07-31	Kazuhiko	Danley	F	1990-01-03						
478289	1963-01-04	Fai	Zobel	F	1999-04-17						
478300	1963-06-19	Yannis	Vidal	F	1992-12-29						
NULL	NULL	NULL	NULL	NULL	NULL						

3.

first_name	last_name
Ashish	Fortenbacher
Fan	Fairtlough
Fen	Fiebach
Ramzi	Furudate
Oscal	Fasbender
Morris	Famili
Aleksander	Fioravanti
Chiradeep	Furedi
Shin	Foote
Deniz	Fontan
Nathan	Flowers
Tse	Felcyn
Tadahiro	Fordan
Sahrah	Figueira
Dayanand	Figueira
Kwangjo	Fiebach
Gina	Falster
Bernice	Felcyn
Sreenivas	Farrag
Lillian	Fontet
Ult	Farrar
Heping	Fontan
Xiong	Ferriere
Kasturi	Fraisse

4.

emp_no	birth_date	first_name	last_name	gender	hire_date
100	2004-04-04	April	Flowers	F	2022-04-01
101	2005-05-05	Mark	May	M	2021-05-01
102	2006-06-06	June	Birdie	F	2020-06-15
10001	1953-09-02	Georgi	Facello	M	1986-06-26
10002	1964-06-02	Bezael	Simmel	F	1985-11-21
10003	1959-12-03	Parto	Bamford	M	1986-08-28
10004	1954-05-01	Christian	Koblick	M	1986-12-01

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

6.

emp_no	birth_date	first_name	last_name	gender	hire_date
499791	1960-10-30	Kotesh	Plumb	M	2002-01-01
499799	1962-08-23	Howell	Petereit	M	2002-01-01
499801	1959-01-19	Sverrir	Pelc	F	2002-01-01
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	Passafume	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	Breugel	M	2002-01-01
NULL	NULL	NULL	NULL	NULL	NULL

7.

#	Time	Action	Message
1	12:05:07	select * from employees where last_name like 'P%' or first_name like 'P%' LIMIT 0, 50	50 row(s) returned
2	12:05:50	select * from employees where last_name like 'P%' or first_name like 'P%' LIMIT 0, 10000	10000 row(s) returned
3	12:05:58	select * from employees where last_name like 'P%' or first_name like 'P%'	31566 row(s) returned
4	12:12:10	update employees set hire_date= '2002-01-01' where last_name like 'P%' or first_name like 'P%'	31566 row(s) affected
5	12:12:45	select * from employees where last_name like 'P%' or first_name like 'P%'	31566 row(s) returned
6	12:16:17	Delete from employees where emp_no < 10000	3 row(s) affected

8.

#	Time	Action	Message
5	12:12:45	select * from employees where last_name like 'P%' or first_name like 'P%'	31566 row(s) returned
6	12:16:17	Delete from employees where emp_no < 10000	3 row(s) affected
7	12:21:41	Delete from employees where emp_no = (10048, 10099, 10234, 20089)	Error Code: 1241, Oper
8	12:29:51	Select * from employees where emp_no IN (10048, 10099, 10234, 20089)	4 row(s) returned
9	12:32:36	Select * from employees where emp_no IN (10048, 10099, 10234, 20089)	4 row(s) returned
10	12:36:38	delete from employees where emp_no In ('10048', '10099', '10234', '20089')	4 row(s) affected

URL to GitHub Repository:

[JessicaSmiejan/Week-7-MySQL-Coding-Assignment \(github.com\)](https://github.com/JessicaSmiejan/Week-7-MySQL-Coding-Assignment)