



## Relational Databases with MySQL Week 1 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, with your Java project code, 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
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 / Screenshots of Query Results (only include the last 20 rows):

```
bin — mysql -u root -p — 80x42

mysql> desc employees;
```

Field	Type	Null	Key	Default	Extra
emp_no	int(11)	NO	PRI	NULL	
birth_date	date	NO		NULL	
first_name	varchar(14)	NO		NULL	
last_name	varchar(16)	NO		NULL	
gender	enum('M','F')	NO		NULL	
hire_date	date	NO		NULL	

```
6 rows in set (0.02 sec)

mysql> SELECT * FROM employees WHERE birth_date < '1965-01-01' LIMIT 20;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
10008	1958-02-19	Saniya	Kalloufi	M	1994-09-15
10009	1952-04-19	Sumant	Peac	F	1985-02-18
10010	1963-06-01	Duangkaew	Piveteau	F	1989-08-24
10011	1953-11-07	Mary	Sluis	F	1990-01-22
10012	1960-10-04	Patricio	Bridgland	M	1992-12-18
10013	1963-06-07	Eberhardt	Terkki	M	1985-10-20
10015	1959-08-19	Guoxiang	Nooteboom	M	1987-07-02
10016	1961-05-02	Kazuhito	Cappelletti	M	1995-01-27
10017	1958-07-06	Cristinel	Bouloucos	F	1993-08-03
10018	1954-06-19	Kazuhide	Peha	F	1987-04-03
10019	1953-01-23	Lillian	Haddadi	M	1999-04-30
10020	1952-12-24	Mayuko	Warwick	M	1991-01-26
10021	1960-02-20	Ramzi	Erde	M	1988-02-10
10022	1952-07-08	Shahaf	Famili	M	1995-08-22
10023	1953-09-29	Bojan	Montemayor	F	1989-12-17
10024	1958-09-05	Suzette	Pettey	F	1997-05-19
10025	1958-10-31	Prasadram	Heyers	M	1987-08-17
10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-20
10027	1962-07-10	Divier	Reistad	F	1989-07-07
10028	1963-11-26	Domenick	Tempesti	M	1991-10-22

```
20 rows in set (0.00 sec)

mysql>
```



# PROMINEO TECH

```
bin — mysql -u root -p — 80x42
mysql> desc employees;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| emp_no | int(11) | NO | PRI | NULL | |
| birth_date | date | NO | | NULL | |
| first_name | varchar(14) | NO | | NULL | |
| last_name | varchar(16) | NO | | NULL | |
| gender | enum('M','F') | NO | | NULL | |
| hire_date | date | NO | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT * from employees WHERE gender = 'f' AND hire_date > '1990-01-01' L
IMIT 20;
+-----+-----+-----+-----+-----+-----+
| emp_no | birth_date | first_name | last_name | gender | hire_date |
+-----+-----+-----+-----+-----+-----+
| 10011 | 1953-11-07 | Mary | Sluis | F | 1990-01-22 |
| 10017 | 1958-07-06 | Cristinel | Bouloucos | F | 1993-08-03 |
| 10024 | 1958-09-05 | Suzette | Pettey | F | 1997-05-19 |
| 10032 | 1960-08-09 | Jeong | Reistad | F | 1990-06-20 |
| 10040 | 1959-09-13 | Weiyi | Meriste | F | 1993-02-14 |
| 10042 | 1956-02-26 | Magy | Stamatiou | F | 1993-03-21 |
| 10044 | 1961-09-21 | Mingsen | Casley | F | 1994-05-21 |
| 10049 | 1961-04-24 | Basil | Tramer | F | 1992-05-04 |
| 10056 | 1961-09-01 | Brendon | Bernini | F | 1990-02-01 |
| 10057 | 1954-05-30 | Ebbe | Callaway | F | 1992-01-15 |
| 10059 | 1953-09-19 | Alejandro | McAlpine | F | 1991-06-26 |
| 10074 | 1955-08-28 | Mokhtar | Bernatsky | F | 1990-08-13 |
| 10101 | 1952-04-15 | Perla | Heyers | F | 1992-12-28 |
| 10102 | 1959-11-04 | Paraskevi | Luby | F | 1994-01-26 |
| 10107 | 1956-06-13 | Dung | Baca | F | 1994-03-22 |
| 10109 | 1958-11-25 | Mariusz | Prampolini | F | 1993-06-16 |
| 10114 | 1957-02-16 | Munir | Demeyer | F | 1992-07-17 |
| 10117 | 1961-10-24 | Kiyotoshi | Blokdijs | F | 1990-05-28 |
| 10118 | 1957-03-29 | Zhonghui | Zyda | F | 1990-09-13 |
| 10120 | 1960-03-26 | Armond | Fairtlough | F | 1996-07-06 |
+-----+-----+-----+-----+-----+-----+
20 rows in set (0.00 sec)

mysql> 
```



# PROMINEO TECH

```
bin — mysql -u root -p — 93x50
20 rows in set (0.00 sec)
```

```
mysql> SELECT * from employees WHERE last_name LIKE 'f%' ORDER BY first_name asc LIMIT 50;
```

emp_no	birth_date	first_name	last_name	gender	hire_date
420311	1962-03-14	Aamer	Flowers	M	1992-12-17
400718	1955-04-13	Aamer	Frolund	M	1990-06-07
61761	1953-11-25	Aamer	Feinberg	F	1985-08-21
242889	1959-08-24	Aamer	Fabrizio	M	1992-11-24
100229	1955-02-06	Aamer	Ferretti	M	1988-10-29
11800	1958-12-09	Aamer	Fraisse	M	1990-08-08
235031	1960-03-09	Aamer	Fioravanti	M	1994-05-19
210129	1953-09-16	Aamer	Frijda	F	1986-11-06
234582	1953-12-14	Aamer	Furedi	M	1994-01-23
263759	1961-05-06	Aamod	Falck	F	1991-11-20
205195	1964-05-17	Aamod	Feinberg	M	1990-04-27
216768	1962-01-06	Aamod	Facello	F	1999-04-24
97234	1956-01-13	Aamod	Flasterstein	M	1991-10-03
66533	1959-07-15	Aamod	Flexer	M	1988-09-04
461337	1961-05-03	Aamod	Farris	F	1986-02-21
456786	1956-02-01	Aamod	Frolund	M	1986-05-02
423661	1957-11-09	Abdelaziz	Fraisse	M	1985-06-09
437988	1960-08-19	Abdelaziz	Fairtlough	F	1989-01-27
464821	1953-02-10	Abdelaziz	Fontet	F	1993-11-17
105775	1952-09-06	Abdelaziz	Fontan	F	1986-01-05
456643	1960-12-19	Abdelaziz	Furedi	M	1992-06-04
15250	1956-11-14	Abdelghani	Fraisse	M	1986-05-27
63673	1957-03-05	Abdelghani	Flanders	M	1989-08-07
488896	1957-07-05	Abdelghani	Fandrianto	M	1987-12-10
37089	1962-09-01	Abdelghani	Foong	F	1988-11-27

```
bin — mysql -u root -p — 127x38
```

37763	1958-09-16	Teiji	Fabrizio	M	1996-02-23
29845	1956-09-28	Raimond	Fabrizio	M	1989-06-25
81376	1954-07-13	Gunilla	Fabrizio	M	1987-05-18
39006	1963-03-09	Lillian	Fabrizio	F	1992-06-11
59670	1959-03-25	Peer	Fabrizio	F	1985-02-06
38063	1955-04-18	Nevin	Fabrizio	M	1996-11-15
67774	1952-03-13	Jongsuk	Fabrizio	M	1985-07-13
32149	1953-02-12	Jaewon	Fabrizio	M	1991-07-27
43412	1952-09-15	Magdalena	Fabrizio	M	1996-03-02
39237	1952-07-28	Sugwoo	Fabrizio	M	1988-02-15
57367	1955-03-30	Zissis	Fabrizio	F	1990-05-31
27299	1957-10-03	Danae	Fabrizio	M	1989-03-24
33728	1959-08-09	Hailing	Fabrizio	F	1990-11-06
38862	1959-11-23	Kendra	Fabrizio	M	1985-12-07
49370	1963-08-26	Sangeeta	Fabrizio	M	1986-04-19
46055	1952-03-15	Charlene	Fabrizio	F	1986-02-13
19911	1952-06-25	Siamak	Fabrizio	F	1996-11-17
85571	1955-02-22	Jiong	Fabrizio	M	1998-11-02
83450	1960-07-17	Shmuel	Fabrizio	M	1991-10-03
32522	1957-09-05	Gurbir	Fabrizio	F	1992-03-11
62929	1957-11-07	Aiichiro	Fabrizio	F	1991-11-09
81302	1962-02-02	Jiakeng	Fabrizio	M	1986-03-04
59403	1955-06-04	Spyrose	Fabrizio	M	1992-03-23
83629	1953-06-01	Tamiya	Fabrizio	M	1987-06-10
88115	1954-10-30	Merit	Fabrizio	M	1998-06-07
27535	1963-08-30	Arunas	Fabrizio	F	1988-11-15
72223	1960-05-18	Anneli	Fabrizio	M	1996-03-29
90463	1955-01-29	Takahito	Fabrizio	M	1985-05-24
88043	1964-12-25	Jacqueline	Fabrizio	M	1988-06-14

```
50 rows in set (0.12 sec)
```

```
mysql> INSERT INTO employees VALUES(100,'1993-09-07', 'Lottie', 'Crum', 'F','2003-08-17'),(101, '1982-07-11', 'Aden', 'Kingsley', 'M', '2000-02-02'),(102,'1989-02-18', 'Carlos', 'Montes', 'M','2001-05-20');
Query OK, 3 rows affected (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

```
mysql>
```





# PROMINEO TECH

```
bin — mysql -u root -p — 107x35

+-----+-----+-----+-----+-----+-----+
| 32149 | 1953-02-12 | Jaewon | Fabrizio | M | 1991-07-27 |
| 43412 | 1952-09-15 | Magdalena | Fabrizio | M | 1996-03-02 |
| 39237 | 1952-07-28 | Sugwoo | Fabrizio | M | 1988-02-15 |
| 57367 | 1955-03-30 | Zissis | Fabrizio | F | 1990-05-31 |
| 27299 | 1957-10-03 | Danae | Fabrizio | M | 1989-03-24 |
| 33728 | 1959-08-09 | Hailing | Fabrizio | F | 1990-11-06 |
| 38862 | 1959-11-23 | Kendra | Fabrizio | M | 1985-12-07 |
| 49370 | 1963-08-26 | Sangeeta | Fabrizio | M | 1986-04-19 |
| 46055 | 1952-03-15 | Charlene | Fabrizio | F | 1986-02-13 |
| 19911 | 1952-06-25 | Siamak | Fabrizio | F | 1996-11-17 |
| 85571 | 1955-02-22 | Jiong | Fabrizio | M | 1998-11-02 |
| 83450 | 1960-07-17 | Shmuel | Fabrizio | M | 1991-10-03 |
| 32522 | 1957-09-05 | Gurbir | Fabrizio | F | 1992-03-11 |
| 62929 | 1957-11-07 | Aiichiro | Fabrizio | F | 1991-11-09 |
| 81302 | 1962-02-02 | Jiakeng | Fabrizio | M | 1986-03-04 |
| 59403 | 1955-06-04 | Spyrose | Fabrizio | M | 1992-03-23 |
| 83629 | 1953-06-01 | Tamiya | Fabrizio | M | 1987-06-10 |
| 88115 | 1954-10-30 | Marit | Fabrizio | M | 1998-06-07 |
| 27535 | 1963-08-30 | Arunas | Fabrizio | F | 1988-11-15 |
| 72223 | 1960-05-18 | Anneli | Fabrizio | M | 1996-03-29 |
| 90463 | 1955-01-29 | Takahito | Fabrizio | M | 1985-05-24 |
| 88043 | 1964-12-25 | Jacqueline | Fabrizio | M | 1988-06-14 |
+-----+-----+-----+-----+-----+-----+

50 rows in set (0.12 sec)

mysql> INSERT INTO employees VALUES(100,'1993-09-07', 'Lottie', 'Crum', 'F','2003-08-17'),(101, '1982-07-11', 'Aden', 'Kingsley', 'M', '2000-02-02'),(102,'1989-02-18', 'Carlos', 'Montes', 'M','2001-05-20');
Query OK, 3 rows affected (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql>
```

```
bin — mysql -u root -p — 105x34

+-----+-----+-----+-----+-----+-----+
| 32522 | 1957-09-05 | Gurbir | Fabrizio | F | 1992-03-11 |
| 62929 | 1957-11-07 | Aiichiro | Fabrizio | F | 1991-11-09 |
| 81302 | 1962-02-02 | Jiakeng | Fabrizio | M | 1986-03-04 |
| 59403 | 1955-06-04 | Spyrose | Fabrizio | M | 1992-03-23 |
| 83629 | 1953-06-01 | Tamiya | Fabrizio | M | 1987-06-10 |
| 88115 | 1954-10-30 | Marit | Fabrizio | M | 1998-06-07 |
| 27535 | 1963-08-30 | Arunas | Fabrizio | F | 1988-11-15 |
| 72223 | 1960-05-18 | Anneli | Fabrizio | M | 1996-03-29 |
| 90463 | 1955-01-29 | Takahito | Fabrizio | M | 1985-05-24 |
| 88043 | 1964-12-25 | Jacqueline | Fabrizio | M | 1988-06-14 |
+-----+-----+-----+-----+-----+-----+

50 rows in set (0.12 sec)

mysql> INSERT INTO employees VALUES(100,'1993-09-07', 'Lottie', 'Crum', 'F','2003-08-17'),(101, '1982-07-11', 'Aden', 'Kingsley', 'M', '2000-02-02'),(102,'1989-02-18', 'Carlos', 'Montes', 'M','2001-05-20');
Query OK, 3 rows affected (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND last_name LIKE 'p%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND last_name LIKE 'p%'' at line 1
mysql> mysql> UPDATE employees SET first_name = 'Bob' WHERE first_name LIKE 'p%' AND last_name LIKE 'p%';
Query OK, 769 rows affected (0.37 sec)
Rows matched: 769 Changed: 769 Warnings: 0

mysql>
```



# PROMINEO TECH

```
bin — mysql -u root -p — 98x32
+-----+-----+-----+-----+-----+
50 rows in set (0.12 sec)
[
mysql> INSERT INTO employees VALUES(100,'1993-09-07', 'Lottie', 'Crum', 'F','2003-08-17'),(101, '1
982-07-11', 'Aden', 'Kingsley', 'M', '2000-02-02'),(102,'1989-02-18', 'Carlos', 'Montes', 'M','200
1-05-20');
Query OK, 3 rows affected (0.04 sec)
Records: 3 Duplicates: 0 Warnings: 0
]

mysql> UPDATE employees SET first_name = 'Bob' WHERE emp_no = 10023;
Query OK, 1 row affected (0.04 sec)
Rows matched: 1 Changed: 1 Warnings: 0
]

mysql> mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND last_na
me LIKE 'p%';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to you
r MySQL server version for the right syntax to use near 'hire_date = '2002-01-01' WHERE first_name
[ LIKE 'p%' AND last_name LIKE 'p%'' at line 1
]
mysql> mysql> UPDATE employees SET first_name = 'p' hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND
last_name LIKE 'p%';
mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND last_name LIKE
'p%';
Query OK, 769 rows affected (0.37 sec)
Rows matched: 769 Changed: 769 Warnings: 0
]

mysql> mysql> DELETE FROM employees WHERE emp_no < 10000;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to you
r MySQL server version for the right syntax to use near 'emp_no < 10000' at line 1
mysql> DELETE FROM employees WHERE emp_no < 10000;
Query OK, 3 rows affected (0.06 sec)

mysql> 
```



# PROMINEO TECH

```
bin — mysql -u root -p — 106x43

mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'p%' AND last_name LIKE 'p%';
Query OK, 769 rows affected (0.37 sec)
Rows matched: 769  Changed: 769  Warnings: 0

mysql> DELETE FROM employees WHERE emp_no < 10000;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near 'emp_no < 10000' at line 1
mysql> DELETE FROM employees WHERE emp_no < 10000;
Query OK, 3 rows affected (0.06 sec)

mysql> DELETE FROM employees WHERE emp_no = 10048 AND emp_no = 10099 AND emp_no = 10234 AND emp_no = 20089;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM employees WHERE emp_no = 10048, emp_no = 10099, emp_no = 10234, emp_no = 20089;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near ', emp_no = 10099, emp_no = 10234, emp_no = 20089' at line
1
mysql> DELETE FROM employees WHERE emp_no = 10048;
Query OK, 1 row affected (0.01 sec)

mysql> DELETE FROM employees WHERE emp_no = 10099 AND WHERE emp_no = 10234 AND WHERE emp_no = 20089;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near 'WHERE emp_no = 10234 AND WHERE emp_no = 20089' at line 1
mysql> DELETE FROM employees WHERE emp_no = 10099, AND emp_no = 10234, AND emp_no = 20089;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL
server version for the right syntax to use near ', AND emp_no = 10234, AND emp_no = 20089' at line 1
mysql> DELETE FROM employees WHERE emp_no = 10048 AND emp_no = 10099 AND emp_no = 10234 AND emp_no = 20089
;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM employees WHERE emp_no = 10048;
Query OK, 0 rows affected (0.00 sec)

mysql> DELETE FROM employees WHERE emp_no = 10099;
Query OK, 1 row affected (0.01 sec)

mysql> DELETE FROM employees WHERE emp_no = 10234;
Query OK, 1 row affected (0.00 sec)

mysql> DELETE FROM employees WHERE emp_no = 20089;
Query OK, 1 row affected (0.01 sec)

mysql>
```

**URL to GitHub Repository: [https://github.com/danielleyokley/MYSQL\\_HW1.git](https://github.com/danielleyokley/MYSQL_HW1.git)**