

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):

emp_no	birth_date	first_name	last_name	gender	hire_date
10000	1958-02-19	Saniva	 Kalloufi	м	1994-09-1
10008 10009	1958-02-19	Saniya Sumant	Kallouti Peac	l F	1994-09-1
10009			Peac Piveteau	l F	
	1963-06-01	Duangkaew		l F	1989-08-24
10011	1953-11-07	Mary Patricio	Sluis	l M	1990-01-2
10012	1960-10-04		Bridgland	I M	1992-12-1
10013	1963-06-07	Eberhardt	Terkki		1985-10-2
10015	1959-08-19	Guoxiang Kazuhito	Nooteboom	M M	1987-07-0
10016	1961-05-02	Cristinel	Cappelletti	l F	1995-01-2
10017	1958-07-06	Cristinei Kazuhide	Bouloucos	l F	1993-08-0
10018	1954-06-19		Peha	l M	1987-04-0
10019	1953-01-23	Lillian	Haddadi	I M	1999-04-3
10020	1952-12-24	Mayuko	Warwick		1991-01-2
10021	1960-02-20	Ramzi	Erde	M	1988-02-1
10022	1952-07-08	Shahaf	Famili	M	1995-08-2
10023	1953-09-29	Bojan	Montemayor	F	1989-12-1
10024	1958-09-05	Suzette	Pettey	F	1997-05-1
10025	1958-10-31	Prasadram	Heyers	M	1987-08-1
10026	1953-04-03	Yongqiao	Berztiss	M	1995-03-2
10027	1962-07-10	Divier	Reistad	F	1989-07-0
10028	1963-11-26	Domenick	Tempesti	M	1991-10-2
10029	1956-12-13	Otmar	Herbst	M	1985-11-2
10030	1958-07-14	Elvis	Demeyer	M	1994-02-1
10031	1959-01-27	Karsten	Joslin	M	1991-09-0
10032	1960-08-09	Jeong	Reistad	F	1990-06-2
10033	1956-11-14	Arif	Merlo	M	1987-03-1
10034	1962-12-29	Bader	Swan	M	1988-09-2
10035	1953-02-08	Alain	Chappelet	M	1988-09-0
10036	1959-08-10	Adamantios	Portugali	M	1992-01-0
10037	1963-07-22	Pradeep	Makrucki	M	1990-12-0
10038	1960-07-20	Huan	Lortz	M	1989-09-2
10039	1959-10-01	Alejandro	Brender	M	1988-01-1
10040	1959-09-13	Weiyi	Meriste	F	1993-02-1
10041	1959-08-27	Uri	Lenart	F	1989-11-1
10042	1956-02-26	Magy	Stamatiou	F	1993-03-2
10043	1960-09-19	Yishay	Tzvieli	M	1990-10-2
10044	1961-09-21	Mingsen	Casley	F	1994-05-2
10045	1957-08-14	Moss	Shanbhogue	M	1989-09-0
10046	1960-07-23	Lucien	Rosenbaum	M	1992-06-2
10047	1952-06-29	Zvonko	Nyanchama	M	1989-03-3
10048	1963-07-11	Florian	Syrotiuk	M	1985-02-2
10049	1961-04-24	Basil	Tramer	F	1992-05-0
10050	1958-05-21	Yinghua	Dredge	M	1990-12-2
10051	1953-07-28	Hidefumi	Caine	M	1992-10-1
10052	1961-02-26	Heping	Nitsch	M	1988-05-2
10053	1954-09-13	Sanjiv	Zschoche	F	1986-02-0
10054	1957-04-04	Mayumi	Schueller	ļМ	1995-03-1
10055	1956-06-06	Georgy	Dredge	ļМ	1992-04-2
10056	1961-09-01	Brendon	Bernini	F	1990-02-0
10057	1954-05-30	Ebbe	Callaway	F	1992-01-1
10058	1954-10-01	Berhard	McFarlin	і м	1987-04-1



PROMINEO TECH

[mysql> SELECT * FROM employees WHERE gender = 'F' AND hire_date >' 1990-01-01' LIMIT 10;

emp_no	birth_date	first_name	last_name	gender	hire_date	
10011 10017 10024 10032 10040 10042 10044 10049 10056	1953-11-07 1958-07-06 1958-09-05 1960-08-09 1959-09-13 1956-02-26 1961-09-21 1961-04-24 1961-09-01 1954-05-30	Mary Cristinel Suzette Jeong Weiyi Magy Mingsen Basil Brendon Ebbe	Sluis Bouloucos Pettey Reistad Meriste Stamatiou Casley Tramer Bernini Callaway	F F F F F	1990-01-22 1993-08-03 1997-05-19 1990-06-20 1993-02-14 1993-03-21 1994-05-21 1992-05-04 1990-02-01 1992-01-15	

10 rows in set (0.06 sec)

mysql> SELECT first_name, last_name FROM employees WHERE last_name LIKE 'F%' LIMIT 50;

	/sql>	SELECT	first_name,	last
[+- 	first.	name	last_name	+
i	Shahat	f	Famili	i
İ	Somnat	th	Foote	İ
i	Sudhar	rsan	Flasterstei	in j
i	Armono	i	Fairtlough	i
i	Ewing		Foong	i
İ	Suma1	i	Fargier	i
i	Badri		Furudate	i
İ	Arve		Fairtlough	İ
	Mohua		Falck	
	Pranav	/	Furedi	- 1
	Kish		Fasbender	- 1
	Foong		Flasterstei	in
	Roded		Facello	- 1
	Clyde		Fandrianto	- 1
ļ	Annel		Frijda	ļ
1	Masou		Fabrizio	ļ
ļ		/slawa	Falby	!
ļ	Hisao		Famili	!
!	Lalit		Francisci	!
!	Heejo		Frolund	!
!	Otmar		Feinberg	!
!	Unal		Fendler	!
!	Yuchar		Francisci	!
!	Chenyi	L	Feinberg Feldhoffer	- !
1	Ashish		Ferdholler Fortenbache	!
ł	Fan	1	Fairtlough	1 1
ł	Fen		Fiebach	- 1
ł	Ramzi		Furudate	- 1
ł	Oscal		Fasbender	- 1
i	Morris		Famili	i
i	Aleksa		Fioravanti	i
i	Chirac		Furedi	i
i	Shin		Foote	i
i	Deniz		Fontan	i
İ	Nathar	1	Flowers	i
İ	Tse		Felcyn	i
İ	Tadahi	iro	Fordan	İ
ĺ	Sahrah	1	Figueira	ĺ
	Dayana	and	Figueira	
	Kwang	jo	Fiebach	- 1
	Gina		Falster	- 1
	Berni		Felcyn	
	Sreeni		Farrag	ļ
ļ	Lillia	an	Fontet	!
ļ	Ult.		Farrar	!
ļ	Heping		Fontan	!
ļ	Xiong		Ferriere	!
ļ	Kastu		Fraisse	!
	Jungso	oon	Fiebach	ı

50 rows in set (0.00 sec)



[mysql> INSERT INTO employees VALUES(100, '1998-06-11', 'Dez', 'Young', 'M', '2020-07-25'); Query OK, 1 row affected (0.07 sec)

[mysql> SELECT * FROM employees LIMIT 10;

L	L					_
emp_no	birth_date	first_name	last_name	gender	hire_date	ļ
100 10008 10009 10010 10011 10012 10013 10015 10016 10017	1998-06-11 1958-02-19 1952-04-19 1963-06-01 1953-11-07 1960-10-04 1963-06-07 1959-08-19 1961-05-02 1958-07-06	Dez Saniya Sumant Duangkaew Mary Patricio Eberhardt Guoxiang Kazuhito Cristinel	Young Kalloufi Peac Piveteau Sluis Bridgland Terkki Nooteboom Cappelletti Bouloucos	M F F M M M	2020-07-25 1994-09-15 1985-02-18 1989-08-24 1990-01-22 1992-12-18 1985-10-20 1987-07-02 1995-01-27 1993-08-03	+
						_

10 rows in set (0.00 sec)

[mysql> INSERT INTO employees VALUES(101, '1996-01-23', 'Jay', 'Young', 'F', '2018-01-25'); Query OK, 1 row affected (0.01 sec)

[mysql> SELECT * FROM employees LIMIT 10;

						·
emp_no	birth_date	first_name	last_name	gender	hire_date	
100 101 10008 10009 10010 10011 10012 10013 10015	1998-06-11 1996-01-23 1958-02-19 1952-04-19 1963-06-01 1953-11-07 1960-10-04 1963-06-07 1959-08-19 1961-05-02	Dez Jay Saniya Sumant Duangkaew Mary Patricio Eberhardt Guoxiang Kazuhito	Young Young Kalloufi Peac Piveteau Sluis Bridgland Terkki Nooteboom Cappelletti	M F F F M M	2020-07-25 2018-01-25 1994-09-15 1985-02-18 1989-08-24 1990-01-22 1992-12-18 1985-10-20 1987-07-02 1995-01-27	
						Ĺ

10 rows in set (0.00 sec)

[mysql> SELECT * FROM employees LIMIT 10;

	emp_no	birth_date	first_name	last_name	gender	hire_date
	100 101 102 10008 10009 10010 10011 10012 10013 10015	1998-06-11 1996-01-23 1978-07-31 1958-02-19 1952-04-19 1963-06-01 1953-11-07 1960-10-04 1963-06-07 1959-08-19	Dez Jay Jr Saniya Sumant Duangkaew Mary Patricio Eberhardt Guoxiang	Young Young Santillan Kalloufi Peac Piveteau Sluis Bridgland Terkki Nooteboom	M F M F F M M	2020-07-25 2018-01-25 2015-04-16 1994-09-15 1985-02-18 1989-08-24 1990-01-22 1992-12-18 1985-10-20 1987-07-02
-				,	,	+



mysql> UPDATE employees SET first_name = 'BOB' WHERE emp_no = 10023; Query OK, 1 row affected (0.02 sec) Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE employees SET hire_date = '2002-01-01' WHERE first_name LIKE 'P%' OR last_name LIKE 'P%'; Query OK, 0 rows affected (0.28 sec) Rows matched: 31564 Changed: 0 Warnings: 0 mysql> SELECT * FROM employees LIMIT 10; emp_no | birth_date | first_name | last_name | gender | hire_date 100 1998-06-11 | Dez Young 2018-01-25 101 1996-01-23 Young Jay 1978-07-31 Santillan | M 2015-04-16 102 Jr 1958-02-19 10008 Saniya Kalloufi 1994-09-15 10009 1952-04-19 Peac 2002-01-01 Sumant 1963-06-01 | Piveteau 10010 Duangkaew F 2002-01-01 1953-11-07 10011 Sluis 1990-01-22 Mary 10012 1960-10-04 Patricio Bridgland | М 2002-01-01 1963-06-07 | Terkki М 10013 Eberhardt 1985-10-20 10015 1959-08-19 | Guoxiang Nooteboom 1987-07-02 10 rows in set (0.00 sec) mysql>

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[mysql> DELETE FROM employees WHERE emp_no < 10000;
Query OK, 0 rows affected (0.01 sec)
[mvsql> SELECT * FROM employees LIMIT 10;
 emp_no | birth_date | first_name
                                    | last_name
                                                             hire_date
                                                   gender
   10008 | 1958-02-19 |
                        Saniya
                                      Kalloufi
                                                    М
                                                             1994-09-15
                                      Peac
                                                    F
   10009
         1952-04-19
                        Sumant
                                                             2002-01-01
                                                    F
                                                             2002-01-01
   10010
         | 1963-06-01 |
                        Duangkaew
                                      Piveteau
                                                    F
                                                             1990-01-22
   10011
          1953-11-07
                        Mary
                                      Sluis
   10012
           1960-10-04
                        Patricio
                                      Bridgland
                                                    М
                                                             2002-01-01
   10013
         1963-06-07
                        Eberhardt
                                      Terkki
                                                    М
                                                             1985-10-20
                                                    М
   10015
         | 1959-08-19 | Guoxiang
                                      Nooteboom
                                                             1987-07-02
   10016
         | 1961-05-02 |
                        Kazuhito
                                      Cappelletti
                                                    М
                                                             1995-01-27
           1958-07-06 | Cristinel
   10017
                                      Bouloucos
                                                    F
                                                             1993-08-03
   10018
         | 1954-06-19 | Kazuhide
                                     Peha
                                                    F
                                                             2002-01-01
10 rows in set (0.01 sec)
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PROMINEO TECH

/sq	1> SEL	ECT * FROM en	nployees LIMI	50;		
em	p_no	birth_date	first_name	last_name	gender	hire_date
	0008	1958-02-19	Saniya	Kalloufi	М	1994-09-15
	0009	1952-04-19	Sumant	Peac	F	2002-01-01
	0010	1963-06-01	Duangkaew	Piveteau	F	2002-01-01
	0011	1953-11-07	Mary	Sluis	F	1990-01-22
	0012	1960-10-04	Patricio	Bridgland	M M	2002-01-01
	0013 0015	1963-06-07 1959-08-19	Eberhardt Guoxiang	Terkki Nooteboom	M M	1985-10-20 1987-07-02
	0015 0016	1959-08-19	Kazuhito	Nooteboom Cappelletti	M M	1987-07-02
	0016 0017	1961-05-02	Cristinel	Cappelletti Bouloucos	M F	1995-01-27
_	0017 0018	1954-06-19	Kazuhide	Peha	F	2002-01-01
	0018 0019	1953-01-23	Lillian	Pena Haddadi	IF I	1999-04-30
	0019 0020	1952-12-24	Mayuko	Warwick	IM I	1991-01-26
	0020 0021	1960-02-20	Ramzi	Erde	IM I	1988-02-10
	0021 0022	1952-07-08	Shahaf	Famili	IM I IM I	1995-08-22
	0023	1953-09-29	BOB	Montemayor	F	1989-12-17
	0023 0024	1958-09-05	Suzette	Pettey	i F	2002-01-01
	0024 0025	1958-10-31	Prasadram	Hevers	i M	2002-01-01
	0026 I	1953-04-03	Yonggiao	Berztiss	i M	1995-03-20
	0020 0027	1962-07-10	Divier	Reistad	i F	1989-07-07
	0028	1963-11-26	Domenick	Tempesti	i M	1991-10-22
	0029	1956-12-13	Otmar	Herbst	i M	1985-11-20
	0030	1958-07-14	Elvis	Demever	M i	1994-02-17
	0031	1959-01-27	Karsten	Joslin	M	1991-09-01
	0032	1960-08-09	Jeong	Reistad	F	1990-06-20
	0033	1956-11-14	Arif	Merlo	М	1987-03-18
	0034	1962-12-29	Bader	Swan	M	1988-09-21
1	0035	1953-02-08	Alain	Chappelet	M i	1988-09-05
1	0036 j	1959-08-10	Adamantios	Portugali	j m j	2002-01-01
1	0037 j	1963-07-22	Pradeep	Makrucki	јм i	2002-01-01
1	0038 j	1960-07-20	Huan	Lortz	јм ј	1989-09-20
1	0039 j	1959-10-01	Alejandro	Brender	јм i	1988-01-19
	0040 j	1959-09-13	Weiyi	Meriste	į F į	1993-02-14
1	0041	1959-08-27	Uri	Lenart	F	1989-11-12
-	0042	1956-02-26	Magy	Stamatiou	F	1993-03-21
	0043	1960-09-19	Yishay	Tzvieli	M	1990-10-20
	0044	1961-09-21	Mingsen	Casley	F	1994-05-21
	0045	1957-08-14	Moss	Shanbhogue	M	1989-09-02
	0046	1960-07-23	Lucien	Rosenbaum	M	1992-06-20
	0047	1952-06-29	Zvonko	Nyanchama	M	1989-03-31
	0049	1961-04-24	Basil	Tramer	F	1992-05-04
_	0050	1958-05-21	Yinghua	Dredge	M	1990-12-25
	0051	1953-07-28	Hidefumi	Caine	M	1992-10-15
	0052	1961-02-26	Heping	Nitsch	M	1988-05-21
	0053	1954-09-13	Sanjiv	Zschoche	F	1986-02-04
	0054	1957-04-04	Mayumi	Schueller	M	1995-03-13
	0055	1956-06-06	Georgy	Dredge	M	1992-04-27
	0056	1961-09-01	Brendon	Bernini	F	1990-02-01
	0057	1954-05-30	Ebbe	Callaway	F	1992-01-15
- 4	0058 l	1954-10-01	Berhard	McFarlin	M	1987-04-13

URL to GitHub Repository: