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: In Eclipse, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) 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:

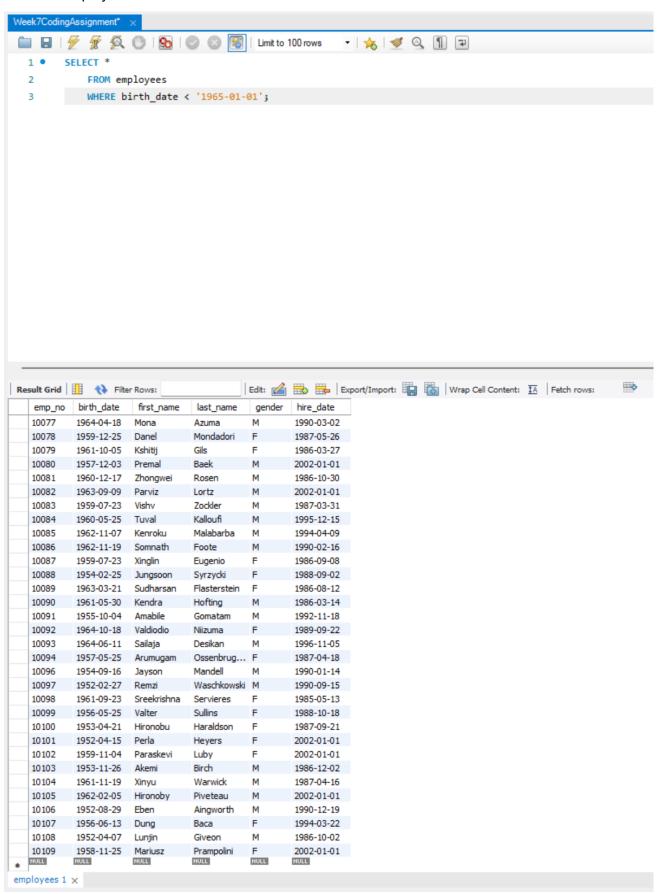
Using the employees database you installed, write SQL queries that do the following (the SQL queries you write are what you will turn in for your homework):

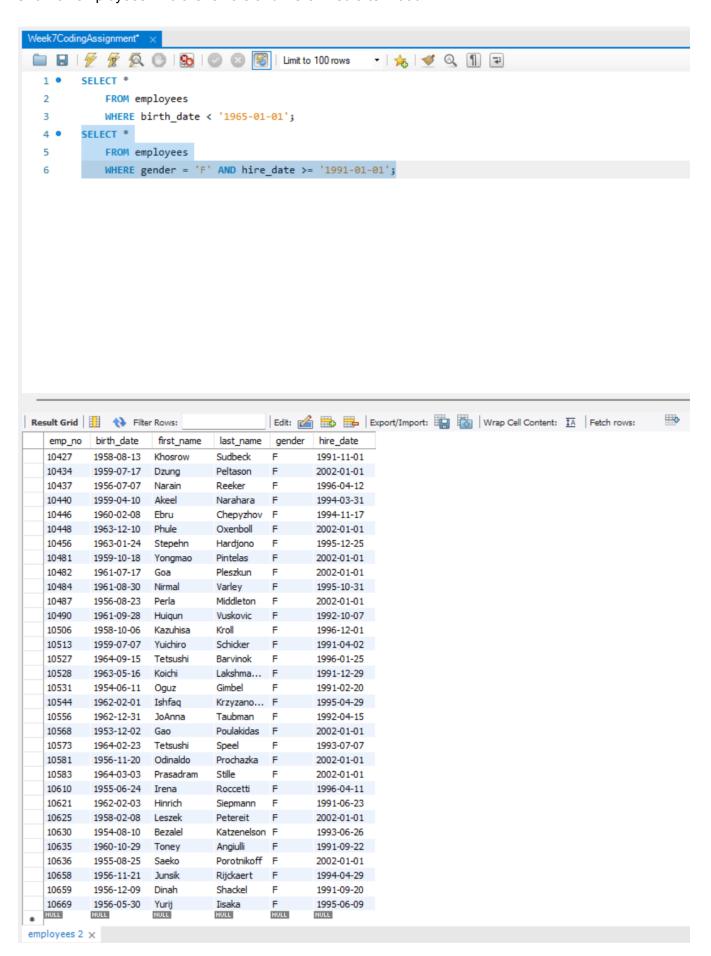
- 1. Show all employees who were born before 1965-01-01
- 2. Show all employees who are female and were hired after 1990
- 3. Show the first and last name of the first 50 employees whose last name starts with F
- 4. Insert 3 new employees into the employees table. There emp_no should be 100, 101, and 102. You can choose the rest of the data.
- 5. Change the employee's first name to Bob for the employee with the employee's first name to Bob for the employee with the employee.
- 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 with Query Results:

Show all employees who were born before 1965-01-01

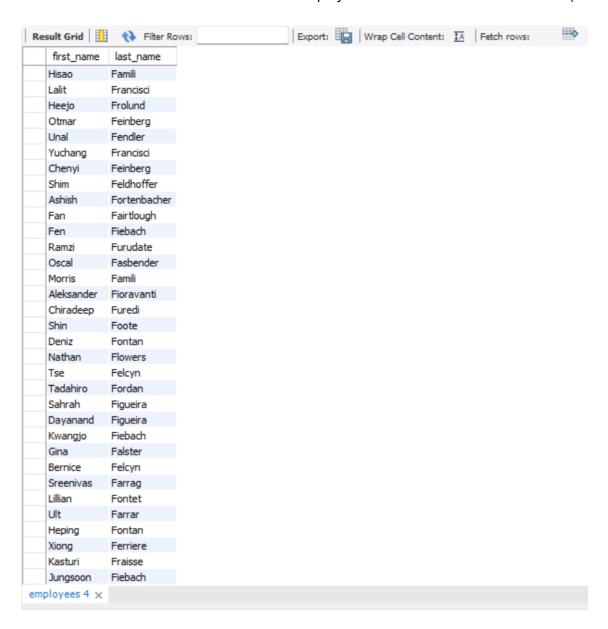




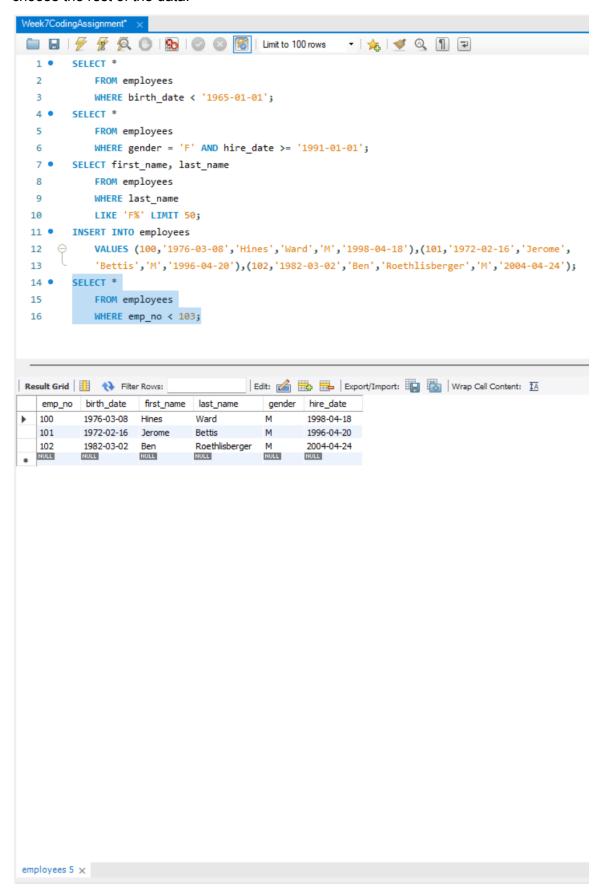
Show the first and last name of the first 50 employees whose last name starts with F



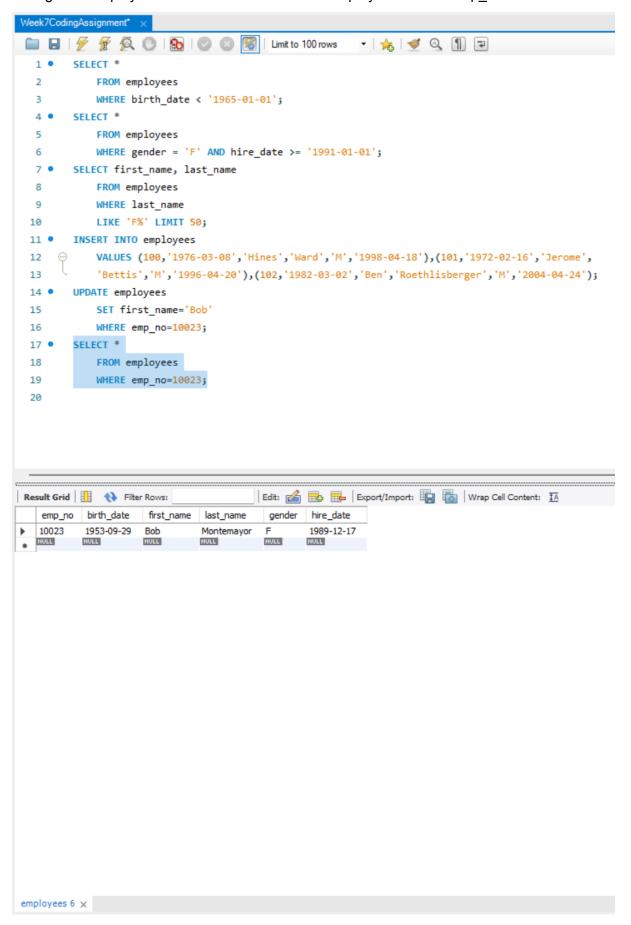
Show the first and last name of the first 50 employees whose last name starts with F (cont...)



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.



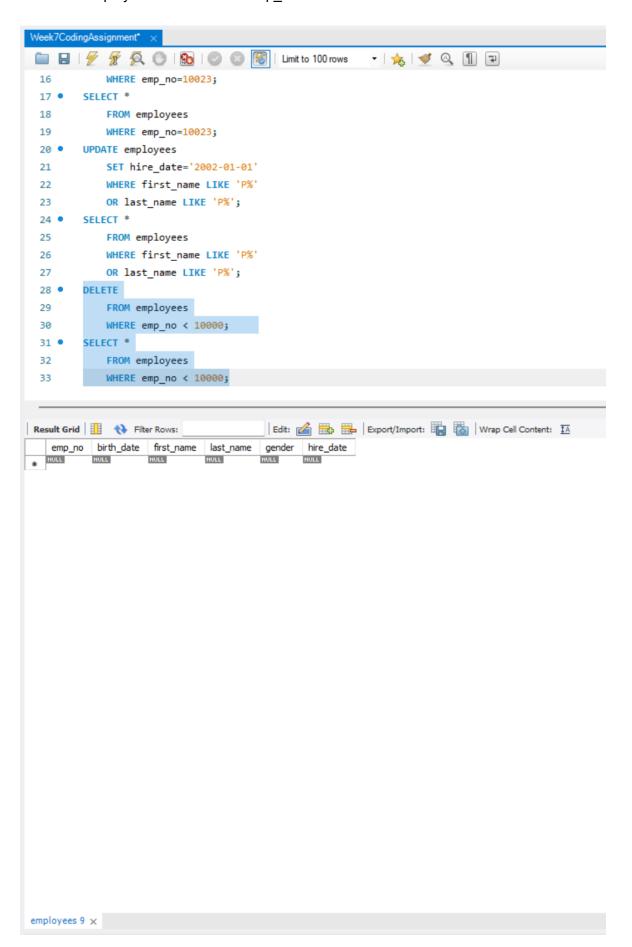
Change the employee's first name to Bob for the employee with the emp_no of 10023.



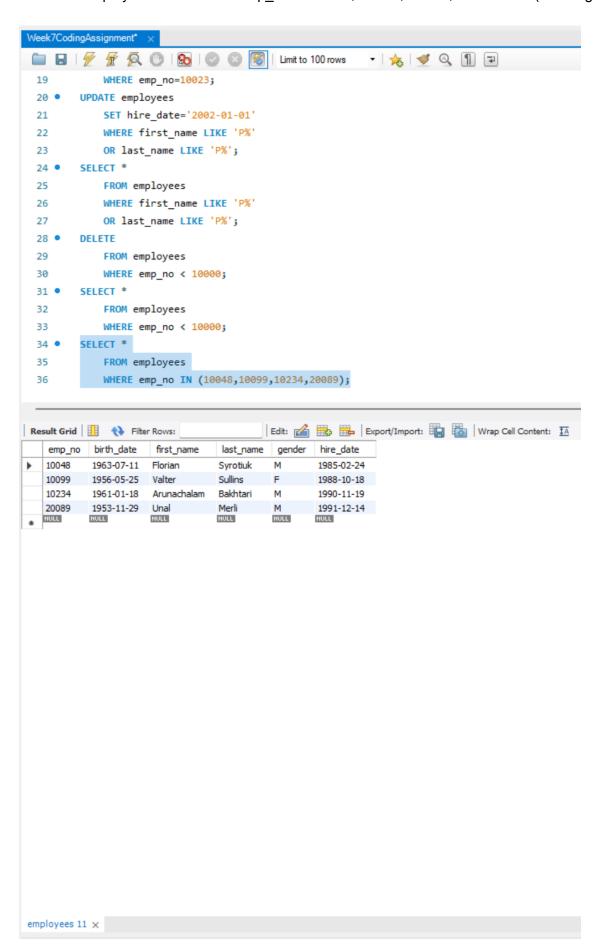
Change all employees hire dates to 2002-01-01 whose first or last names start with P.

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Week7CodingAssignment* ×
🚞 🔚 | 🗲 📝 👰 🔘 | 🚯 | 🔘 🔕 🎏 | Limit to 100 rows
                                                          - | 🛵 | 🥩 🔍 🗻 🖘
 11 •
       INSERT INTO employees
            VALUES (100, '1976-03-08', 'Hines', 'Ward', 'M', '1998-04-18'), (101, '1972-02-16', 'Jerome',
 12
            'Bettis','M','1996-04-20'),(102,'1982-03-02','Ben','Roethlisberger','M','2004-04-24');
 13
 14 •
       UPDATE employees
 15
            SET first name='Bob'
 16
            WHERE emp_no=10023;
 17 • SELECT *
 18
            FROM employees
 19
            WHERE emp_no=10023;
 20 •
      UPDATE employees
 21
            SET hire date='2002-01-01'
 22
            WHERE first_name LIKE 'P%'
            OR last_name LIKE 'P%';
 23
        SELECT *
 24 •
 25
            FROM employees
            WHERE first_name LIKE 'P%'
 26
 27
            OR last_name LIKE 'P%';
 28
                                        | Edit: 🔏 📆 🖶 | Export/Import: 🏢 🎳 | Wrap Cell Content: 🏗 | Fetch rows:
Result Grid Filter Rows:
   emp_no birth_date
                     first_name
                               last_name gender hire_date
   10715 1959-11-21 Goa
                               Poehlman M
                                                2002-01-01
         1961-05-24 Percy
                                        F
   10729
                               Lorho
                                                2002-01-01
   10731 1952-11-17 Fumitaka Peak M 2002-01-01
   10743
        1963-12-26 Kiyomitsu
                               Peltason
                                                2002-01-01
                                        F 2002-01-01
   10745 1953-10-23 Poorav
                             Ranze
   10753
         1958-09-30 Pradeep
                               Harbusch F
                                                2002-01-01
   10756 1958-06-24 Paddy Brizzi
                                        M
                                                2002-01-01
   10760
          1963-05-27
                    Phillip
                               Dratva
                                                2002-01-01
   10770 1956-06-18 Bedir
                               Perry
                                        F
                                                2002-01-01
   10781
          1958-09-19 Patricio
                               Leuchs
                                                2002-01-01
   10782 1952-09-18 Kish
                             Perna F
                                                2002-01-01
         1964-05-19 Patricia
                                                2002-01-01
   10786
                               dAstous
   10815 1960-11-12 Renny
                           Pramanik M 2002-01-01
   10819
        1957-02-19 Pascal
                               Sooriamu... M
                                                2002-01-01
                             Pena F
   10820 1956-11-12 Baocai
                                                2002-01-01
          1956-08-02 Masaru
                                        F
   10822
                               Passino
                                                2002-01-01
   10841
          1961-10-14 Pranav
                              Lieberherr M
                                                2002-01-01
          1959-11-15 Piyawadee
                                        М
                                                2002-01-01
                               Copas
                               Peck F
   10856 1964-03-13 Sreenivas
                                                2002-01-01
                               Papasta... F
          1955-08-05 Vincent
   10876
                                                2002-01-01
   10895 1952-03-21 Vishwani Petersohn M
                                               2002-01-01
        1955-07-18 Ferdinand
                              Prenel
   10902 1964-05-09 Inderjeet Perly M
                                               2002-01-01
   10914 1956-04-26 Mizuhito
                               Prochazka M
                                                2002-01-01
   10932 1955-11-19 Avishai
                                        F
                              Picci
                                                2002-01-01
   10956
          1955-02-02 Arno
                               Picel
                                        М
                                                2002-01-01
   10966
          1962-07-04 Danel
                            Pardalos M
                                                2002-01-01
   10969
          1954-09-05 Premal
                               Noriega
                                        М
                                                2002-01-01
   10974 1952-03-07 Muneo
                               Papsdorf M
                                                2002-01-01
                               Birnbaum F
   10975
          1962-07-27 Peternela
                                                2002-01-01
                                                2002-01-01
                               Parascan... F
        1961-08-09 Somnath
                    NULL
                               NULL
                                        NULL
employees 7 x
```

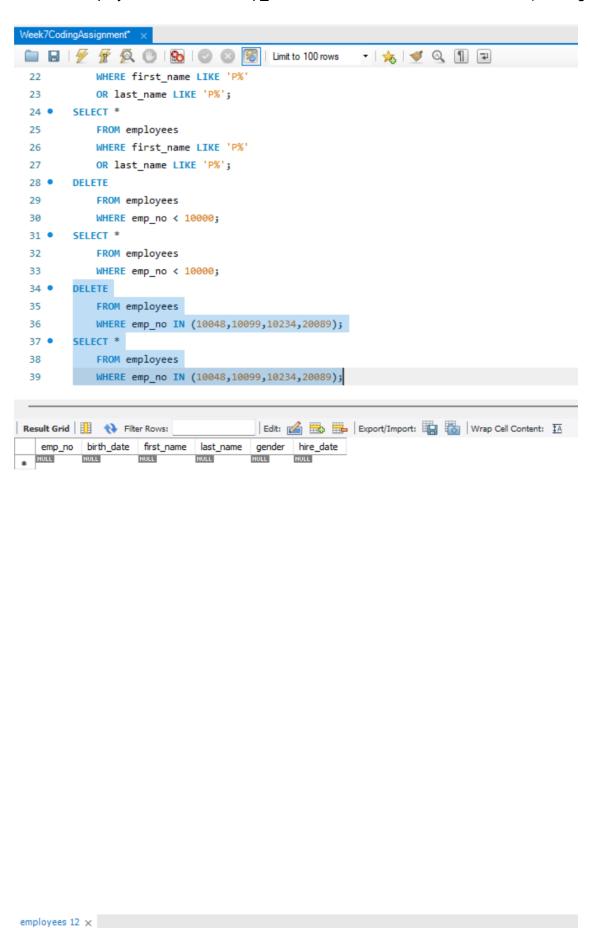
Delete all employees who have an emp_no less than 10000.



Delete all employee who have an emp_no of 10048, 10099, 10234, and 20089. (showing them first)



Delete all employee who have an emp_no of 10048, 10099, 10234, and 20089. (deleting then showing)



URL to GitHub Repository:

https://github.com/jprengaman/BESD-Week7