Relational Databases with MySQL Week 4 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:

Write 5 stored procedures for the employees database.

Write a description of what each stored procedure does and how to use it.

Procedures should **use constructs you learned about from your research assignment** and be more than just queries.

Screenshots:

1.

```
-- employees_released - this finds the total all-time # of emps,
    -- subtracts the active (currently working) ones, and finds the released (fired/quit) ones.
delimiter $$

drop procedure if exists employees_released$$

create procedure employees_released( out active int, out released int )
begin
    declare totalemps int default 0;
    select count(*) into totalemps from employees;
    select count(*) into active from employees e inner join titles t on e.emp_no = t.emp_no where t.to_date > now();
    select totalemps - active into released;
end
$$
delimiter ;
```

2.

```
-- emp_delete_high_sal - finds employees in salary table w/ salary over 40k, deletes them from salaries table

delimiter $$

drop procedure if exists emp_delete_high_sal$$

create procedure emp_delete_high_sal
begin
    delete from salaries where salary >= 40000;
end
$$
delimiter ;
```

3.

```
-- create_new_emp - will insert one new employee into the employee table

delimiter $$

drop procedure if exists create_new_emp$$

create procedure create_new_emp(@emp_no int, @birth_date date, @first_name varchar(14),
@last_name varchar(16), @gender enum('M','F'), @hire_date date)
begin
    insert into employees (emp_no, birth_date, first_name, last_name, gender, hire_date)
    values (@emp_no, @birth_date, @first_name, @last_name, @gender, @hire_date);
end
$$
delimiter ;
```

4.

```
-- delete_emp_from_emps - will take an emp_no input and delete that employee from the table
delimiter $$

drop procedure if exists delete_emp_from_emps$$

create procedure delete_emp_from_emps(@emp_no int)
begin
    delete from employees where emp_no = @emp_no;
end
$$
delimiter ;
```

5.

```
-- emp_del_by_gender - deletes employees from employees table by gender. @Gdr specifies gender
    -- you want to delete when procedure is called.
delimiter $$

drop procedure if exists emp_del_by_gender$$
create procedure emp_del_by_gender
@Gdr enum('M','F')
begin
    delete from employees where gender = @Gdr
end
$$
delimiter ;
```

URL to GitHub Repository:

https://github.com/wlindstrom55/MYSQL-wk4-coding-assignments