Relational Databases with MySQL Week 8 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:

Write queries to address the following business needs.

1. I want to know how many employees with each title were born after 1965-01-01.

SELECT count(birth_date) ,titles.title
FROM employees
INNER JOIN titles on employees.emp_no=titles.emp_no
WHERE birth_date > '1965-01-01'
GROUP BY title

2. I want to know the average salary per title.

SELECT avg(salary) AS "average salary", titles.title

FROM salaries

INNER JOIN titles ON salaries.emp_no=titles.emp_no

GROUP BY title;

3. How much money was spent on salary for the marketing department between the years 1990 and 1992?

```
SELECT sum(salaries.salary) AS 'Sum of salary',
departments.dept_name AS 'Department'
FROM salaries
INNER JOIN dept_emp ON dept_emp.emp_no=salaries.emp_no
INNER JOIN departments ON dept_emp.dept_no=dept_emp.dept_no
WHERE departments.dept_name = 'Marketing'
AND salaries.from_date >= '1990-01-01'
AND salaries.to_date <= '1992-01-01'
ORDER BY sum(salaries.salary);
```

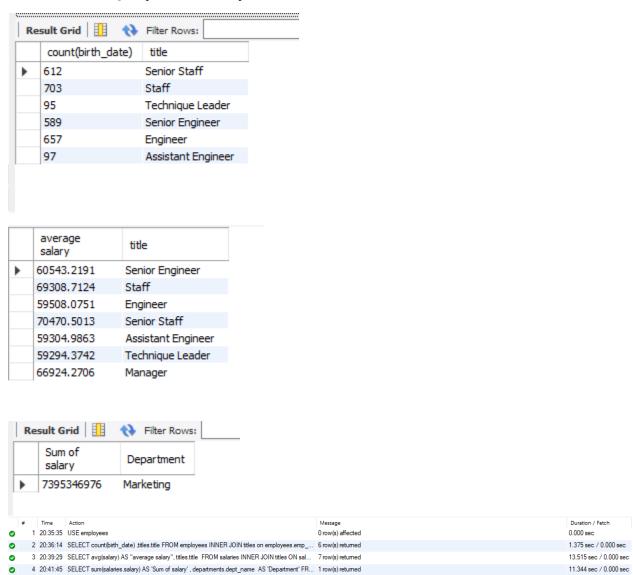
Screenshots of Queries:

```
SELECT count(birth_date) ,titles.title
FROM employees
INNER JOIN titles on employees.emp_no=titles.emp_no
WHERE birth_date > '1965-01-01'
GROUP BY title;

SELECT avg(salary) AS "average salary", titles.title
FROM salaries
INNER JOIN titles ON salaries.emp_no=titles.emp_no
GROUP BY title;
```

```
1 •
      SELECT sum(salaries.salary) AS 'Sum of salary',
      departments.dept_name AS 'Department'
2
      FROM salaries
3
      INNER JOIN dept_emp ON dept_emp.emp_no=salaries.emp_no
4
      INNER JOIN departments ON dept_emp.dept_no=dept_emp.dept_no
5
      WHERE departments.dept_name = 'Marketing'
6
      AND salaries.from date >= '1990-01-01'
7
      AND salaries.to date <= '1992-01-01'
8
      ORDER BY sum(salaries.salary);
9
```

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



URL to GitHub Repository: