

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

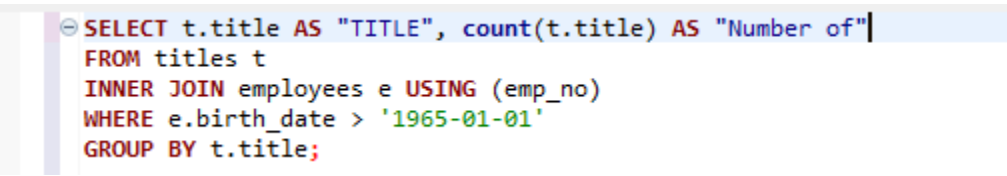
Instructions: Using a text editor of your choice, write the queries that accomplishes the objectives listed below. Take screenshots of the queries and results and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document to 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.
2. I want to know the average salary per title.
3. How much money was spent on salary for the marketing department between the years 1990 and 1992?

Screenshots of Queries:

1. 

2.

```
SELECT t.title AS 'Title', avg(s.salary) as 'Avg Salary'
FROM titles t
INNER JOIN salaries s USING (emp_no)
GROUP BY t.title;
```

3.

```
SELECT d.dept_name as 'Department', sum(s.salary) as 'Total Salary'
FROM departments d
INNER JOIN dept_emp de USING (dept_no)
INNER JOIN salaries s USING (emp_no)
WHERE year(s.from_date) > 1989 AND year(s.to_date) < 1993 AND d.dept_name = 'Marketing';
```

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

1.

	AB5 Title	123 Avg Salary
1	Senior Engineer	60,543.2191
2	Staff	69,308.7124
3	Engineer	59,508.0751
4	Senior Staff	70,470.5013
5	Assistant Engineer	59,304.9863
6	Technique Leader	59,294.3742
7	Manager	66,924.2706

2.

	AB5 TITLE	123 Number of
1	Senior Staff	612
2	Staff	703
3	Technique Leader	95
4	Senior Engineer	589
5	Engineer	657
6	Assistant Engineer	97

3.

	AB5 Department	123 Total Salary
1	Marketing	1,096,824,732

URL to GitHub Repository: https://github.com/dfleeman/Week8_MySQL