# Relational Databases with MySQL Week 2 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.**

**Graphical user interface, text, application

Description automatically generated**

**2.**

**Text

Description automatically generated with low confidence**

**3. I did my best to find a solution that gets at the heart of what the question is asking, but this question implies finding an exact total (not an average) of all salaries that change from year to year MIDWAY through the year (thus including salaries beginning in 1989 and also ending in 1993). These salaries ALSO change on different days for each individual employee. If there exists a single query that could answer this question, I was unable to figure it out, as it would be an incredibly complex query to make (especially for our second week of this material). I answered the question using from\_date >= ‘1990-01-01’ and to\_date <= ‘1992-12-31’, even though this will omit partial salaries from some employees. I hope this is sufficient!**

**Text

Description automatically generated**

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

**1.**

**Table

Description automatically generated**

**2.**

**Graphical user interface, text, application

Description automatically generated**

**3. (See explanation above)**

**Graphical user interface, application

Description automatically generated**

**URL to GitHub Repository:**