



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, 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 queries to address the following business needs.

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

```
mysql> SELECT COUNT(titles.emp_no) AS "Number With Title" , title FROM titles INNER JOIN employees ON titles.emp_no = employees.emp_no WHERE employees.birth_date > "1965-01-01" GROUP BY title;
```

Number With Title	title
612	Senior Staff
703	Staff
95	Technique Leader
589	Senior Engineer
657	Engineer
97	Assistant Engineer

6 rows in set (0.40 sec)

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



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```
mysql> SELECT AVG(salary) AS "Salary", title AS "Title" FROM salaries INNER JOIN titles ON salaries.emp_no = titles.emp_no GROUP BY title;
```

Salary	Title
60543.2191	Senior Engineer
69308.7124	Staff
59508.0751	Engineer
70470.5013	Senior Staff
59304.9863	Assistant Engineer
59294.3742	Technique Leader
66924.2706	Manager

3. How much money was spent on salary for the marketing department between the years 1990 and 1992? *Assumed inclusive of both 1990 and 1992.*

```
mysql> SELECT SUM(salary) AS "Total Salaries Paid", dept_name AS "Department Name" FROM salaries INNER JOIN dept_emp ON salaries.emp_no = dept_emp.emp_no INNER JOIN departments ON dept_emp.dept_no = departments.dept_no WHERE dept_name = "Marketing" AND salaries.from_date >= "1990-01-01" AND salaries.to_date < "1993-01-01";
```

Total Salaries Paid	Department Name
1096824732	Marketing

Screenshots of Queries:

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

URL to GitHub Repository:

https://github.com/ykahan/Promineo_Tech_Assignments/tree/master/PDFssq