

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:

```

week7* x salaries departments
1 • select title, count(*) as 'employee count' from titles T
2   inner join employees E on e.emp_no = t.emp_no
3   where e.birth_date > '1965-01-01'
4   group by title
5   order by title;
6
7 • select title, avg(salary) as 'Average Salary' from titles T
8   inner join salaries S on s.emp_no = T.emp_no
9   group by title
10  order by title;
11
12 • select D.dept_name as 'Department name', sum(S.salary) as 'Total salary' from salaries S
13   inner join dept_emp DE on DE.emp_no = S.emp_no
14   inner join departments D on D.dept_no = DE.dept_no
15   where D.dept_name = 'Marketing' and S.from_date >= '1990-01-01' and S.to_date < '1993-01-01';
16

```

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

Result Grid			Filter Rows:
	title	employee count	
▶	Assistant Engineer	97	
	Engineer	657	
	Senior Engineer	589	
	Senior Staff	612	
	Staff	703	
	Technique Leader	95	

Result Grid			Filter Rows:
	title	Average Salary	
▶	Assistant Engineer	59304.9863	
	Engineer	59508.0751	
	Manager	66924.2706	
	Senior Engineer	60543.2191	
	Senior Staff	70470.5013	
	Staff	69308.7124	
	Technique Leader	59294.3742	69308,7

Result Grid			Filter Rows:
	Department name	Total salary	
▶	Marketing	1096824732	

URL to GitHub Repository:

<https://github.com/MerelOhler/PromineoWeek8>